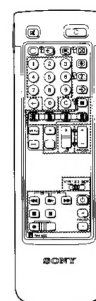
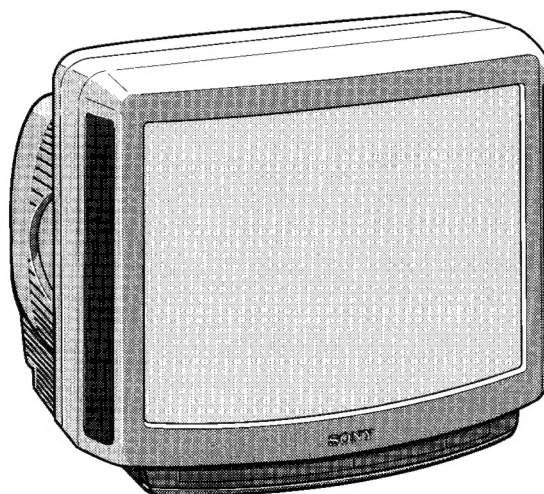


SERVICE MANUAL

BE-3B CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-X2181A	RM-833	Italian	SCC-G81L-A	KV-X2182U	RM-833	UK	SCC-G87G
KV-X2183B	RM-833	French	SCC-G85J-A				
KV-X2181D	RM-833	AEP	SCC-G77L-A				
KV-X2183E	RM-833	Spanish	SCC-G82K-A				



TRINITRON® COLOR TV
SONY®

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
AEP	B/G/H, D/K	GERMAN Stereo	PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Italian	B/G/H, D/K	GERMAN Stereo	ITALIA VHF:A-H2 (C) PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
French	B/G/H,L, I	GERMAN Stereo	L VHF:F02-F10 UHF:F21-F69 CABLE:B-Q S21-S44 B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) I UHF:B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish	B/G/H, D/K	GERMAN/NICAM Stereo	PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
UK	I	NICAM Stereo	UHF : B21-B69	PAL NTSC4.43, NTSC3.58 (VIDEO IN)

ODEL	Italian	French	AEP	Spanish	UK
Power Consumption	89W	89W	89W	89W	117W

SPECIFICATIONS

Picture Tube Hi-Black Trinitron
Approx. 54.5 cm (21 inches)
(Approx. 51 cm picture measured diagonally)
110° -deflection

Input/Output Terminals

EAR]

- 1 21-pin Euro connector (CENELEC standard)
inputs for audio and video signals
inputs for RGB
outputs of TV video and audio signals
- 2/3 2 21-pin Euro connector
inputs for audio and video signals
inputs for S video
outputs for audio and video signals (selectable)

[FRONT]

- ⊖3 Video input - phono jack
- ⊖3 Audio inputs - phono jacks
- ⊖3 S video input 4-pin DIN
- Ω Headphone jacks : stereo minijack

- Sound output 2 x 30W (Music power)
- Dimensions Approx. 517x443x485 mm
- Weight Approx. 26.5kg
- Supplied accessories RM-833 Remote Commander (1)
IEC designation R6 battery (1)
- Other features NICAM , FASTEXT, TOPTEXT.


[RM-833]

- Remote control system infrared control
- Power requirements 1.5V dc
1 battery IEC designation R6 (size AA)
- Dimensions Approx. 65x225x21 mm (w/h/d)
- Weight Approx. 157g (Not including batteries)

Design and specifications are subject to change without notice.

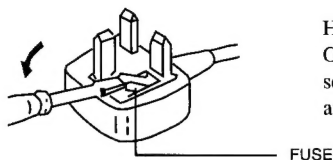
Model name Item	KV-X2181A	KV-X2183B	KV-X2181D	KV-X2183E	KV-X2182U
Pal Comb	OFF	ON	OFF	OFF	OFF
PIP	OFF	OFF	OFF	OFF	OFF
RGB Priority	ON	ON	OFF	OFF	OFF
Woofers Box	OFF	OFF	OFF	OFF	OFF
Scart 1	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON	ON
Scart 4	OFF	OFF	OFF	OFF	OFF
Projector	OFF	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON	ON
Norm B/G/H	ON	ON	ON	ON	OFF
Norm I	OFF	ON	OFF	OFF	ON
Norm D/K	ON	OFF	ON	OFF	OFF
Norm AUS	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	ON	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF
Toptext	ON	ON	ON	ON	OFF
Nicam Stereo	OFF	ON	OFF	ON	ON
Language Preset	Italian	French	German	Spanish	English

WARNING (KV-X2182U only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** capacity. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by **ASTA** to **BS 1362**, ie one that carries the  mark.

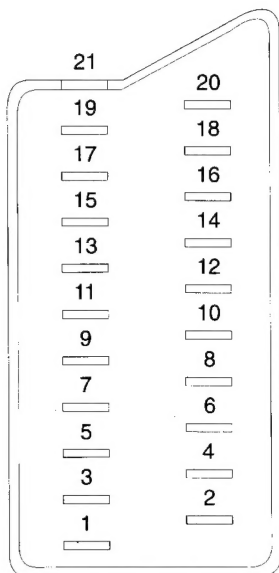
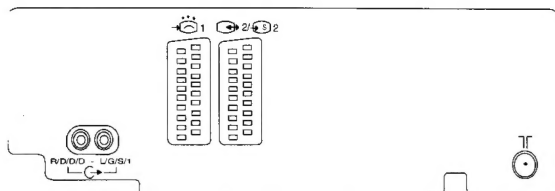
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR YOUR SOCKET OUTLETS IN YOUR HOME. IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET OUTLET.

When an alternative type of plug is used it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.



How to replace the fuse.
Open the fuse compartment with the screwdriver blade and replace the fuse.

in connector (1 2 / 4)



Pin No.	1	2	4	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance :Less than 1kohm*
2	○	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedance :More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedance :Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedance :More than 10kohm*
7	○	●	●	Blue input	0.7 ± 3dB, 75 ohms, positive
8	○	○	○	Function select (AV control)	High state (9.5 - 12V) : Part mode Low state (0 - 2V) : TV mode Input impedance : More than 10k ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 ± 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground(blanking)	
15	○	—	—	Red input (S signal) chroma input	0.7 ± 3dB, 75 ohms, positive 0.3 ± 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Y's signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance : 75ohms
17	○	○	○	Ground(video output)	
18	○	○	○	Ground(video input)	
19	○	○	○	Video output	1V ± 3dB,75ohms,positive sync:0.3V(-3+10dB)
20	○	—	—	Video input Y (S signal)	1V ± 3dB,75ohms,positive sync:0.3V(-3+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75 ohm , positive Sync. 0.3V -3/+10 dB
4	C (S signal) input	0.3V ± 3dB 75 ohm , positive Sync.

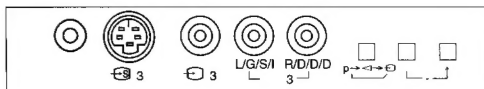


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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING !!

AN ISOLATING TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD, DUE TO A LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLIMENTS PUBLISHED BY SONY.


ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

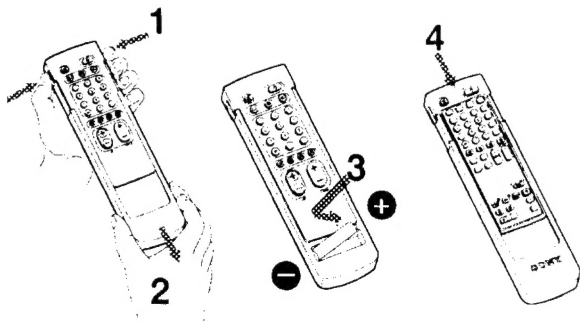
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ !!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDiqué DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

Getting Started

Inserting the Battery Into the Remote Commander



Remove the cover.

Check the correct polarity.

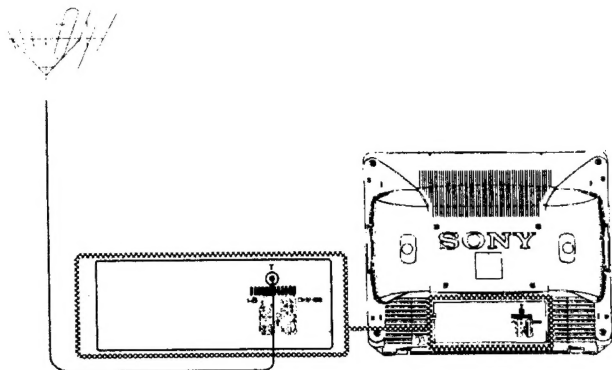
Relit the outside cover making sure that the Full Function side is visible.

Long Battery Life

Under normal operation, a battery will last up to half a year.

Connecting the Aerial

Connect aerial to the T socket at the rear of the TV. (cable not supplied)



Choosing a Language

See inside of front cover and back cover)

Depress ① **A** on the TV.

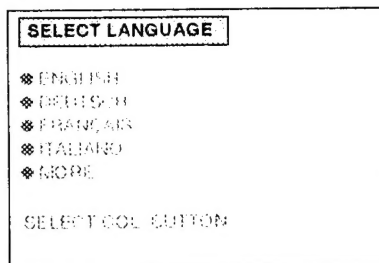
The TV turns on. If the standby indicator **B** on the TV is lit, press **3** or any number button **4** on the Remote Commander.

Press **MENU 7** on the Remote Commander. The SELECT LANGUAGE screen appears.



The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

- Press one of the colour buttons **17** on the Remote Commander to select a language (Press the white button **17** to display other language alternatives). The SELECT LANGUAGE screen clears and all subsequent menus appear in the chosen language.



Note: From the second time when you turn on the TV, the MENU screen appears instead of the SELECT LANGUAGE screen. Press the yellow button **17** then press the white button **17** to redisplay the SELECT LANGUAGE screen.

Tuning in to Channels

You can tune in up to 100 channels to programme positions either automatically or manually.

- auto tuning: A single button press allows all receivable channels to be tuned. Use if you are unfamiliar with the channel numbers of stations.
- manual tuning: Use if you are familiar with the channel numbers of stations.

Choose the more appropriate way for you.

Tuning in to Channels Automatically

There are two possibilities for auto tuning;

- A. On the TV: hold down **▶▶** **E** on the front of the TV for 2 seconds
- or
- B. On the Remote Commander: as follows

- Press **MENU 7**.
- Press the white button **17**.
- Hold down the red button **17** for 2 seconds,

Note: Press the green button **17** to cancel.

Tuning in to Channels Manually

1 Press MENU [7].

The MENU screen appears.

MENU

2 Press the white button [17] to select PRESET.

The PRESET screen appears.

PRESET

- ◆ AUTO TUNING
- ◆ MANUAL TUNING
- ◆ PROGRAM EXCHANGE
- ◆ EDIT PROGRAM NAME
- ◆ FINE TUNE

SELECT COL. BUTTON

3 Press the green button [17] to select MANUAL TUNING.

The MANUAL TUNING screen appears.

MANUAL TUNING

01 D/K C21

- ◆ SKIP OFF
- ◆ OK

ENTER PROGRAM NO.
USE NO. BUTTONS OR
CHANGE BY MENU +/-

4 Press the number buttons [4] or MENU+/- [9] to select a programme position.

If you use the number buttons [4], enter a double-digit number. (e.g. for programme number 4, first press 0, then 4)

5 Press the green button [17].

Note: Use MENU +/- [9] to select TV system. You can alternatively select input sources which may be assigned to programme positions. The display changes as follows:

MANUAL TUNING

01 D/K C21

- ◆ OK

SELECT SYSTEM/INPUT
CHANGE BY MENU +/-

B/G ↔ D/K ↔ AV1 ↔ RGB ↔ AV2 ↔ YC2 ↔ AV3 ↔ YC3

6 Press the green button [17].

Note: If a video input source is selected in step 5, this is now stored. Refer to step 4 to tune other programme positions.

MANUAL TUNING

01 D/K C21

- ◆ OK

ENTER CHANNEL NO.
USE NO. BUTTONS OR
SEARCH BY MENU +/-

7 When you have selected B/G, press the red button [17] to select C (regular channel) or S (cable channel).

8 Press the number buttons [4] or MENU+/- [9] to select the channel number.

If you use the number buttons [4], enter a double-digit number. (e.g. for channel 23, first press 2, then 3)

9 Press the green button [17] to store.

Note: If you want to preset other channels, repeat steps 4 to 9.

10 Press MENU [7] twice to return to the normal screen.

Note: You can skip unused programme positions when selecting programmes with the PROGR +/- buttons [18]. Press the red button [17] to skip in step 4. However, the skipped programmes may still be called up when you use the number buttons.

Basic TV Operations

Turning the TV on and off

Turning on

Depress ⏻ [A] on the TV.

Turning off temporarily

Press ⏻ [10] on the Remote Commander.

The TV enters standby mode and the standby indicator [E] on the front of the TV lights up.

Turning on again

Press ⏻ [3], PROGR +/- [18], or one of the number buttons [4] on the Remote Commander.

Turning off completely

Depress ⏻ [A] on the TV.

Note: It is recommended to use ⏻ [A] to turn off the TV. This could help you save energy.

Selecting TV Programmes

Press PROGR +/- [18] or press number buttons [4].

To select a double-digit number

Press +/- [5], then the number buttons [4].

Adjusting the Volume

Press 🔊 +/- [19].

Muting the Sound

Press 🔊 [1].

To resume normal sound, press 🔊 [1] again.

Displaying the On-screen Indications

Press ⓘ [14] once to display the on-screen indications. Press again to make the indications disappear.

Note: If NICAM is transmitted regardless of whether it is stereo or mono, the two speaker symbol automatically appears on the screen for several seconds.

Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can adjust or select the functions as follows:

Press 🔊 +/- [D] to adjust the volume.

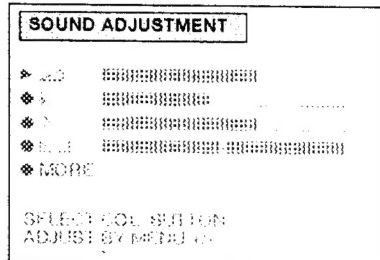
Press P +/- [C] to select programme numbers or to turn the TV on from the standby mode.

Press 🔍 [F] to select the input source.

Press ⏻ [E] to preset channels automatically.

SOUND ADJUSTMENT

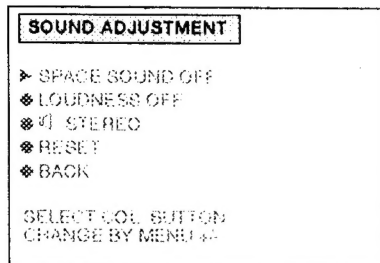
(First Page)



Press colour button	Effect
Red: For Volume	Less — — More
Green: For Treble	Less — — More
Yellow: For Bass	Less — — More
Blue: For Balance	More left - more right
White:	Next page of SOUND ADJUSTMENT

SOUND ADJUSTMENT

(Second Page)



Press colour button	Effect
Red: For Space Sound	OFF: normal sound ON: for a special acoustic sound effect
Green: For LOUDNESS	OFF: normal sounds ON: when listening to music broadcast
Yellow: For Stereo:	Stereo -> Mono A (left channel) -> Mono B (right channel) -> Mono
Blue: For Reset:	Resets to the factory preset levels for picture and sound
White:	Back to first page of SOUND ADJUSTMENT

Note: Press [8] on the Remote Commander to reset to the factory preset levels for picture and sound.

Using Special Features

With your TV you can utilise special features such as Parental Lock or Sleep Timer.

- 1 Press MENU [7].
The MENU screen appears.
- 2 Press the yellow button [17] to select FEATURES.
- 3 Press the respective colour button [17] to select an item.
- 4 Press MENU +/- [9] to change.
- 5 Press MENU [7] twice or wait until the menu displays disappear automatically to return to the normal screen.

MENU

FEATURES



Press colour button	Effect
Red: For Sleep Timer (Automatic switch off function)	OFF -> 0:30 -> 1:00 -> 1:30 -> 2:00 (hours) After the selected time the TV set switches itself automatically into standby mode.
Green: For Parental Lock (For preventing children from watching programmes which you consider unsuitable)	OFF: Normal setting ON: The TV-channel you are watching is now blocked. In this way you can prevent undesirable broadcasts from appearing on the screen.
Yellow: For TV Button Lock	OFF: Normal setting ON: The buttons on the TV do not function anymore. (The Remote Commander still operates)
Blue: For Demo Mode	ON: A sequence of menu pictures is displayed. Press any button on the Remote Commander to stop the function.
White: For Language	The SELECT LANGUAGE screen appears.

Advanced Presetting Functions

Exchanging Programme Positions

You can exchange the programme positions to a preferred order (example: exchange programme 09 (channel C21) with programme 15 (channel C24)).

Press MENU [7].

The MENU screen appears.

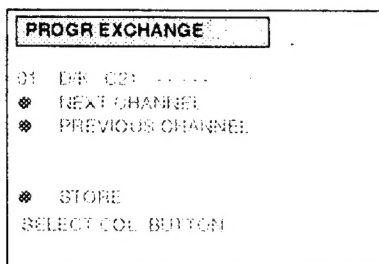
MENU

Press the white button [17].

The PRESET screen appears.

Press the yellow button [17].

The PROGR EXCHANGE screen appears.



Press the white button [17] repeatedly until the desired programme number (09) appears.

Press the red or the green button [17] repeatedly until the desired channel number (C24) appears.

Press the white button [17] to store.

Now the exchange has been completed. Channel C24 is tuned in to programme 09 and channel C21 is tuned in to programme 15.

Press MENU [7] twice to return to the normal screen.

Editing Programme Names

You can edit the programme names up to five letters.

Press MENU [7].

The MENU screen appears.

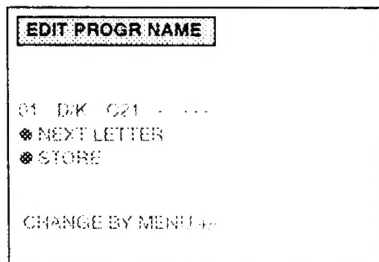
MENU

Press the white button [17].

The PRESET screen appears.

Press the blue button [17].

The EDIT PROGR NAME screen appears.
The first character flashes.



4 Press MENU+/- [9] to edit the first letter.
The first letter changes as follows;

A ↔ B ↔ ... ↔ Z ↔ 0 ↔ 1 ↔ ... ↔ 9 ↔ "-" (space)

5 Press the red button [17] to move to the next letter.

6 Repeat steps 4 to 5, until the fifth letter is chosen.

7 Press the green button [17].

The programme name is stored, and the normal screen appears. To edit another programme name, repeat steps 1 to 7.

Fine Tuning

You can adjust the receiving condition by the FINE TUNE function.

1 Press MENU [7].

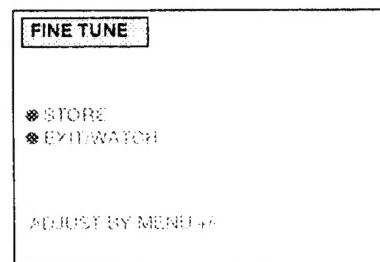
The MENU screen appears.

2 Press the white button [17].

The PRESET screen appears.

3 Press the white button [17] again.

The FINE TUNE screen appears.



4 Press MENU+/- [9] to adjust the receiving condition.

5 Press the red button [17] to store the adjustment, or press the green button [17] not to store.

Then the normal screen appears. If you have pressed the green button, the fine tuned condition is cancelled once you choose another programme.

Tuning in to a Channel Temporarily

You can tune in to a channel temporarily, even when it has not been preset.

1 Press C [16] on the Remote Commander. For cable channels, press C [16] twice.

The indication "C" ("S" for cable channels) appears on the screen.

2 Enter a double-digit channel number using the number buttons (e.g. for channel 23, first press 2, then 3).

The channel appears.

However, the channel is not stored.

Teletext Operation

TV stations broadcast teletext programmes via the TV channels. For basic operation of teletext, use the simple side of the Remote Commander. For the advanced features of teletext, use the buttons indicated in green on the full function side of the Remote Commander.

Basic Teletext Operation

Switching Teletext on and off

1 Select the channel which carries the teletext service you wish to view.

2 Press **[11]** to display Teletext.
If no teletext signal is broadcast, the indication P100 is displayed on a black screen.



3 Input three digits for the page number using the number buttons **[4]**.

The numbers are displayed on the screen and the requested page appears in a few seconds.

Note: If you make a mistake, type in any three digits, then re-enter the correct page number.

4 Press **[3]** once or **[11]** twice to return to the TV mode.

Note: To change the teletext channels. First press **[3]** to return to the TV mode, then repeat steps 1 to 3.

Note: If the signal of a TV channel is weak, teletext errors may occur.

Advanced Teletext Operation

Using Fastext

With Fastext you can access pages with one button press. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons **[6]** on the Remote Commander.

Press the corresponding colour button **[6]** on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed in a few seconds.

Requesting the Index page

Press **[17]**. The Index page appears.

Accessing the next or preceding page

Press **[18]** (PAGE +) or **[19]** (PAGE -). The next or the preceding page appears on the screen.

Superimposing the teletext display on the TV picture

Press **[11]** once if you are in text mode or press **[11]** twice if in TV mode.

To return to the normal teletext display press **[11]** twice.



Preventing a teletext page from being updated or changed

Press **[20]** (HOLD). The HOLD symbol (**[20]**) appears on the screen and the selected subpage is held until you press **[11]** to cancel.

Enlarging the teletext display

Press **[13]** once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.



Revealing concealed information (e.g. answers to a quiz)

Press **[14]** (REVEAL). The information is revealed. Press **[14]** again to conceal the information.

Watching TV while waiting for a requested page to be displayed

1 Request a new teletext page.

2 Press **[12]** (TEXT CL).
The TV programme is displayed and the symbol **[12]** is displayed at the top of the page.

Note: When the requested page is available the page number is displayed at the top of the screen.

3 Press **[11]** to view the page.

Note: To cancel the request
Display the teletext page, then press **[11]**. The request is now cancelled. Press **[3]** to resume TV mode.

Using the Favourite Page system

You can store up to four of your favourite teletext pages per programme with the help of the Favourite page system. In this way you have quick access to the pages you watch frequently.

Storing the Favourite Pages

1 Select the page you would like to store using the number buttons **[4]**.

2 Press **[15]** twice.
The colour prompts at the bottom of the screen flash.

3 Press any of the colour buttons **[6]** on the Remote Commander to store the selected page.
The page is now stored on this button.

Repeat steps 1 to 3 for the other 3 pages available.

Displaying the Favourite pages

1 Press **[15]**.

2 Press the colour button **[6]** corresponding to the colour prompt onto which the desired page is stored.
The page is requested. (It may take a few seconds to be received).

Note: Step 1 must be taken before every favourite page selection, otherwise the normal Fastext facility operates.


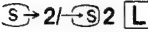

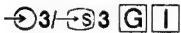
Using the Time Function in the TV mode


Press **[12]** to request the time. Press again to cancel the request.



Note: This function is available only when teletext is broadcast.


Connecting Other Equipment

You can connect optional audio/video equipment to this TV such as VCRs, video disc players, cameras or stereo systems.

Connector	Acceptable input signal	Available output signal
 1 M (AV1/RGB)	Audio/video and RGB signal	Audio/video signal from TV Tuner
 2 L (AV2) (YC2)	Audio/video and S video signal	Audio/video signal from selected source
 3 G H (AV3)	Audio/video signal and	No outputs
 3 G I (YC3)	Audio/S video signal	

To watch a video input picture, press  **2** until the desired video input appears.

To return to the normal TV picture, press  **2** repeatedly or press  **3**.

Note: If you have a decoder, connect it to  1 **M**.

Connecting a VCR Using the TV Aerial Terminal

Connect the aerial output of the VCR to the aerial terminal **K** of the TV. It is recommended to tune in the VCR signal to programme number "0". For details, see "Tuning in to Channels Manually" on page 6.

Note: S video input (Y/C input) **I L**

Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals.

Separating the Y and C signals prevents them from inter-

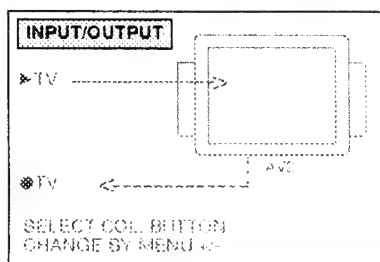
Checking and Selecting the Input and Output Sources Using the Menu

You can display a menu screen to see which input and output source are selected. You can also change the selection using this menu.

Checking the Input and Output Sources

1 Press **MENU** **7**.
The MENU screen appears

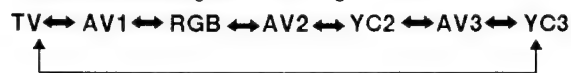
2 Press the blue button **17** to select INPUT/OUTPUT.
The INPUT/OUTPUT screen appears.




Selecting an Input Signal

Press the red button **17** to select INPUT. Press **MENU** +/- **9** to select the desired input source.

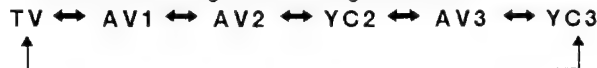
You can select among the following sources:



Selecting an Output Signal

The  2 **L** connector **L** outputs the source input from the other connectors. Press the green button **17** to select OUTPUT. Press **MENU** +/- **9** to select the desired output source.

You can select among the following sources:



Note: Press **MENU** **7** twice or wait until the menu displays disappear automatically to return to the normal screen.

Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most Sony remote-controlled video equipment such as: Beta, 8mm or VHS VCRs or video disc players.

Tuning the Remote Commander to the equipment

1 Set the VTR 1/2/3 MDP selector **20** according to the equipment you want to control:

VTR 1: Beta VCR

VTR 2: 8mm VCR


VTR 3: VHS VCR

MDP: Video Disc Player

2 Use the buttons **21** to operate the additional equipment.

Note: If your video equipment is furnished with a COMMAND MODE selector: set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander.

Note: If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

Note: When you use the  (record) button, make sure to press this button and the one to the right of it simultaneously.

Using Headphones

You can utilise headphones. Connect them to the headphone jack **J**, then the sound from the speakers goes off.

Note: You can't control the sound adjustment except for volume.

For your information

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

No picture (screen is dark), no sound

- Plug the TV in.
- Press **A** on the TV. (If the standby indicator **B** is lit, press **3** or any number button **4** on the Remote Commander.)
- Check if the selected video source is on.
- Turn the TV off for three or four seconds and then turn it on again using **A**.

Poor or no picture (screen is dark), but good sound

- Press MENU **7** to enter the MENU screen, and press the red button **17**, then adjust **1** and **2**.

Good picture but no sound

- Press **1** + **19**.
- If **1** is displayed on the screen, press **1**.

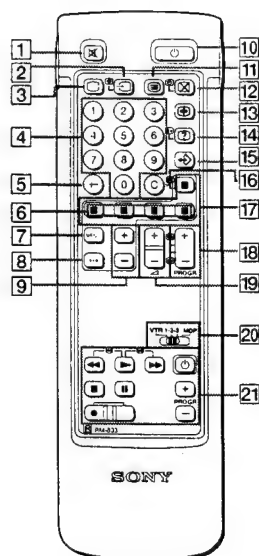
No colour for colour programmes

- Press MENU **7** to enter the MENU screen, and press the red button **17**, then adjust **3**.

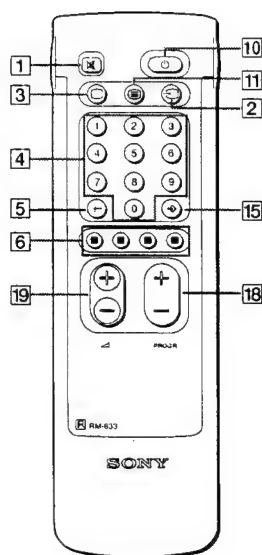
Remote Commander does not function

- Replace the battery.

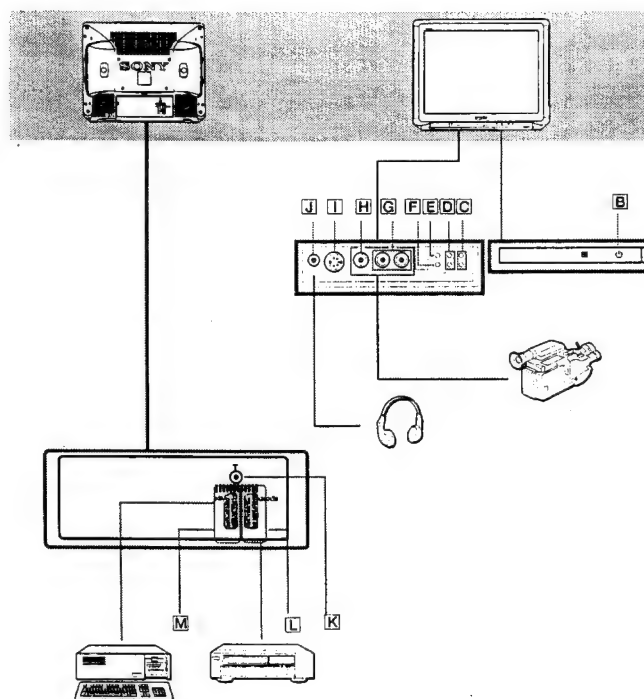
If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.



Full-Function Side
Полно функциональная
Teljes Funkciós Oldal
Strana se všemi Funkcemi
Strona Funkcji Złożonych
Страна с Всички Функции

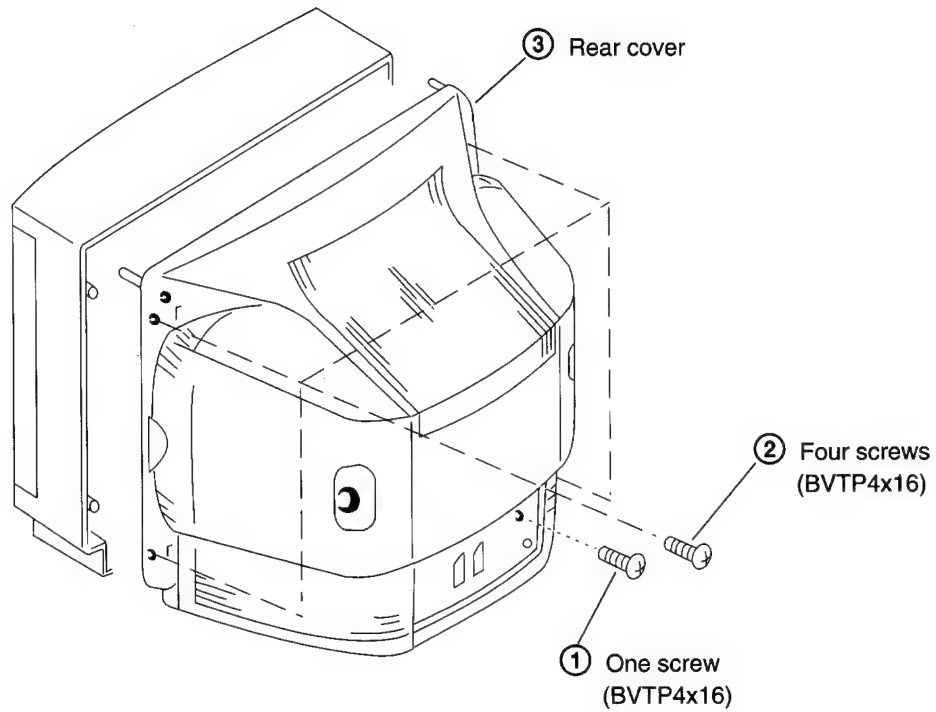


Simple Side
Простая Сторона
Egyszerű Oldal
Jednoduchá Strana
Strona funkcji podstawowych
Страна с Опростени Функции

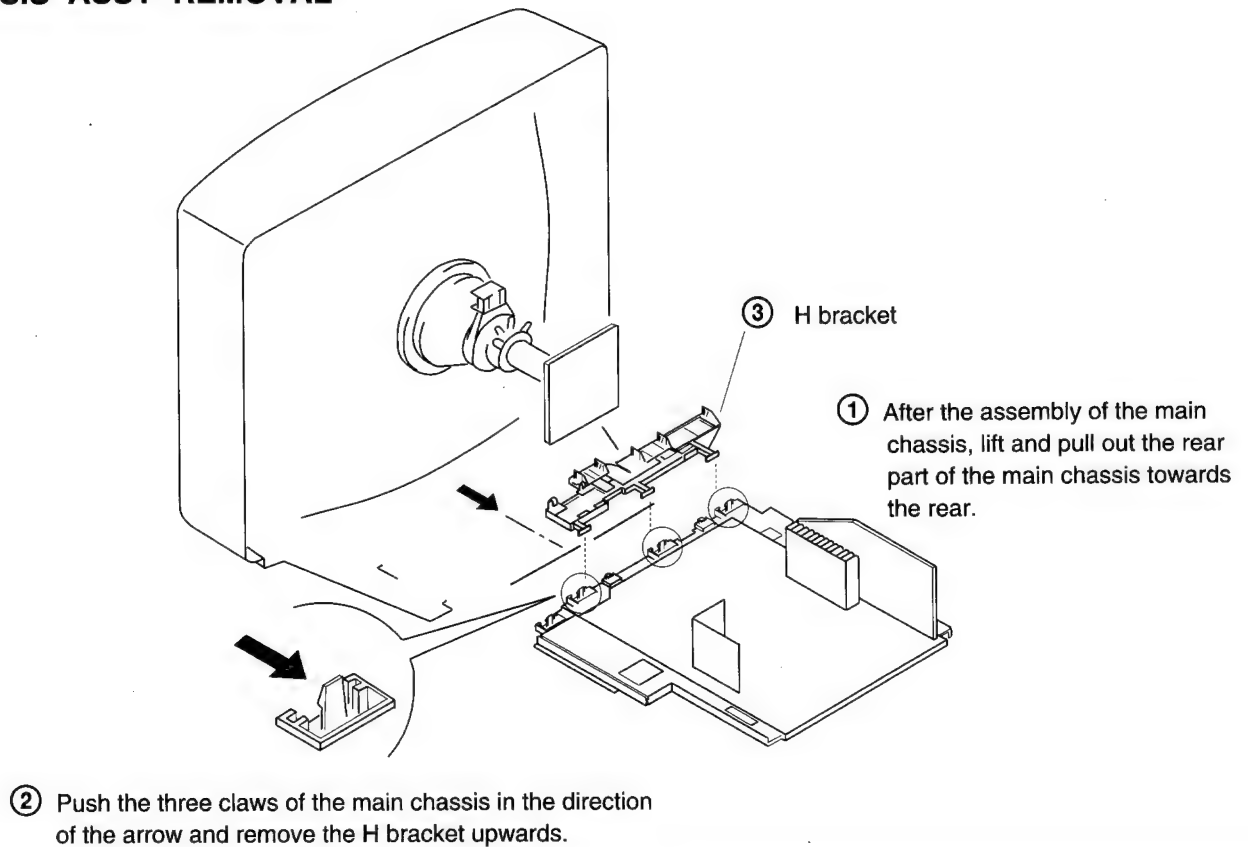


SECTION 2 DISASSEMBLY

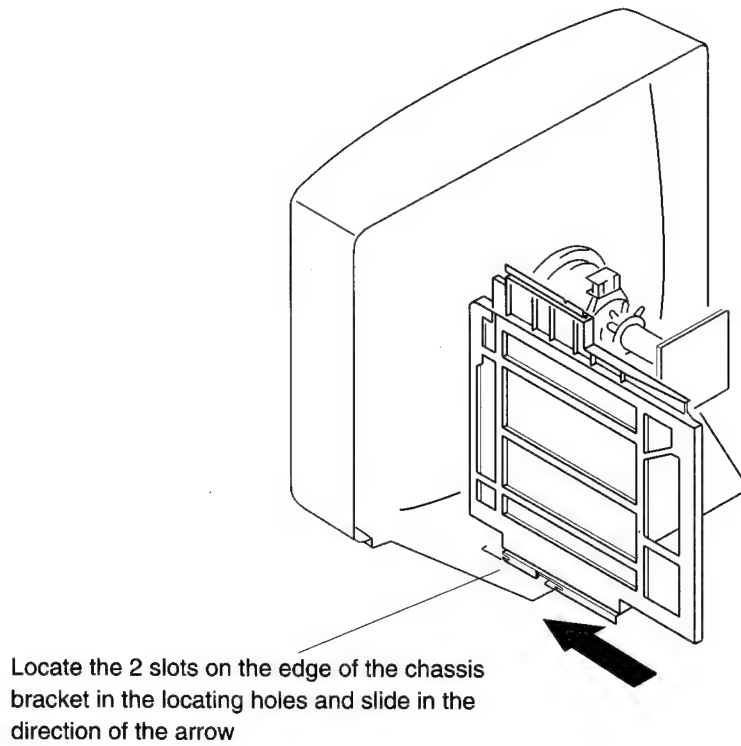
1. REAR COVER REMOVAL



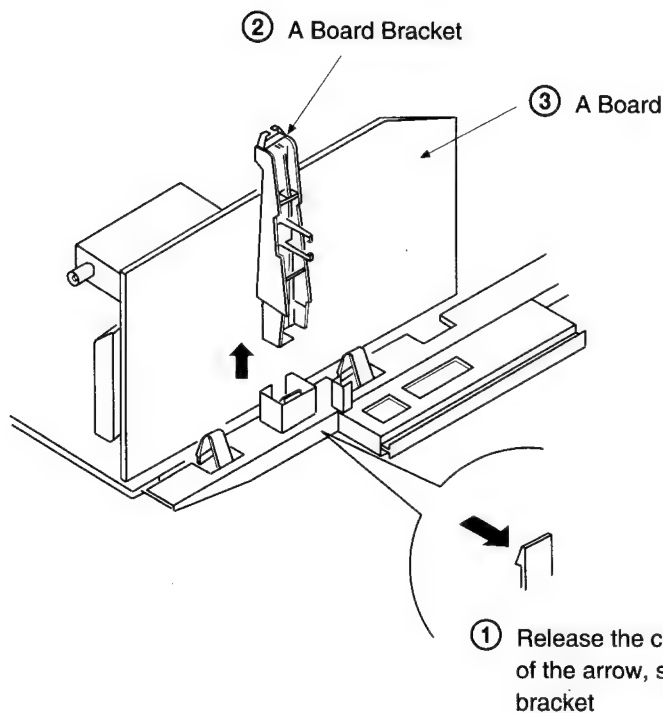
2. CHASSIS ASSY REMOVAL



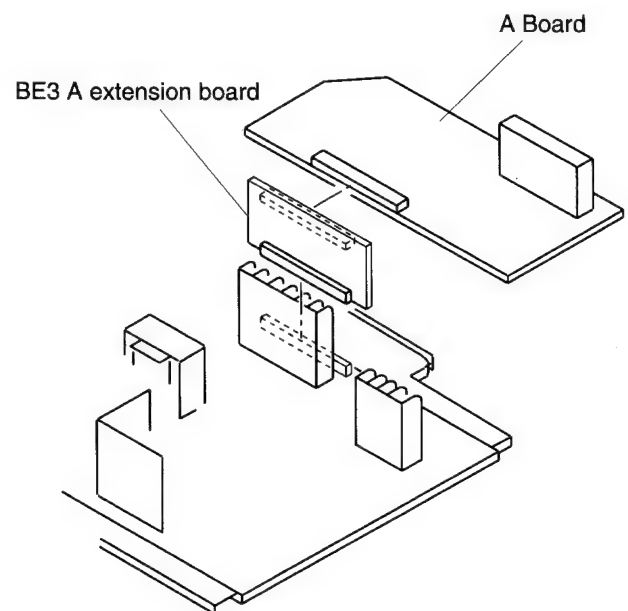
2-3. SERVICE POSITION



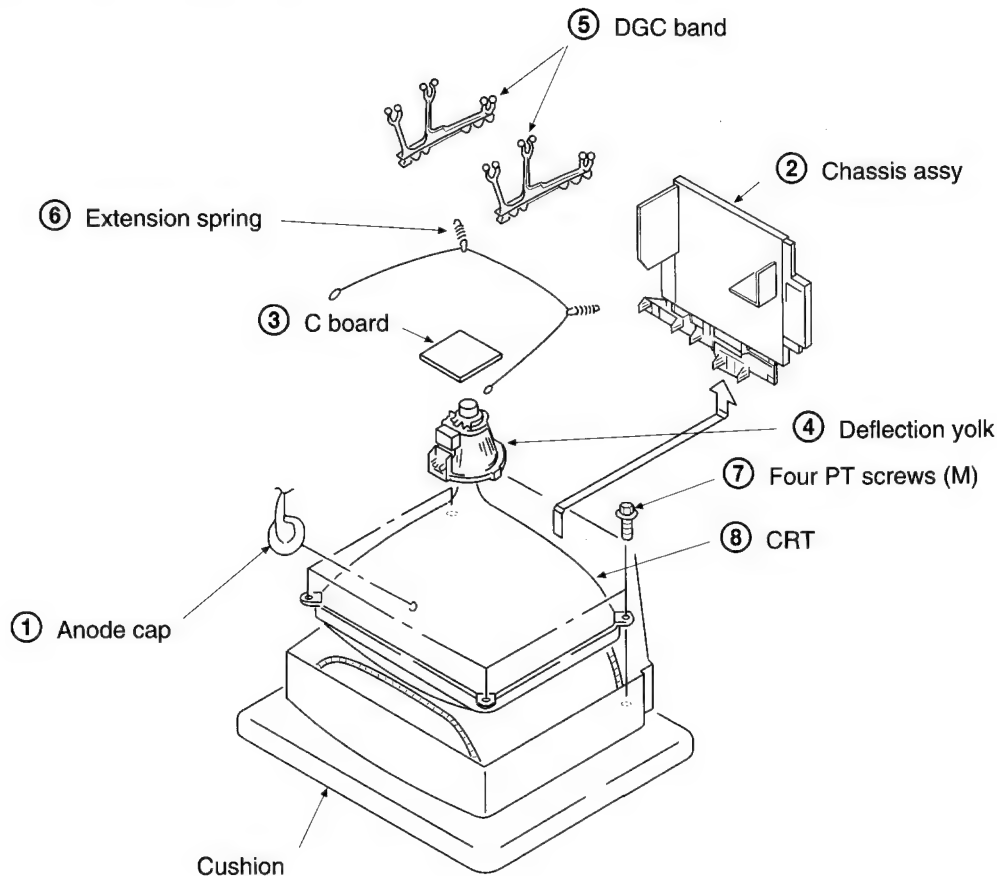
2-4. A BOARD REMOVAL



2-5. EXTENSION BOARD



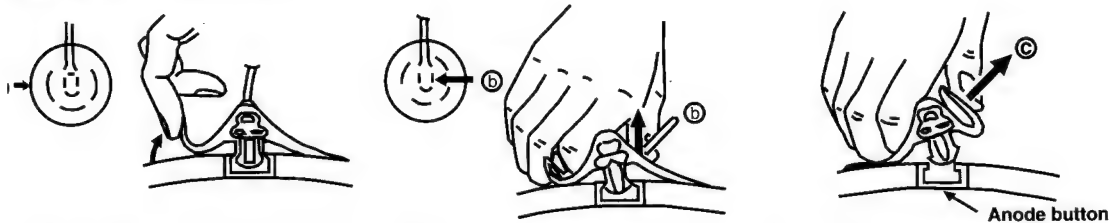
3. PICTURE TUBE REMOVAL



REMOVAL OF ANODE-CAP

te: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

REMOVING PROCEDURES.



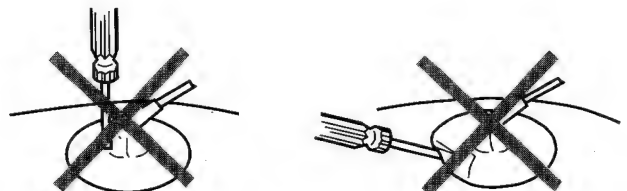
Turn up one side of the rubber cap in the direction indicated by the arrow ①

② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②

③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ③

HOW TO HANDLE AN ANODE-CAP

- Don't damage the surface of anode-cap with sharp shaped material !
- Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built into the rubber.
- Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or damage the rubber.



SECTION 3

SET - UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted. The controls and switch below should be set as follows unless otherwise noted :

● CONTRAST control 80%(or Normal by commander)

⚙ BRIGHTNESS control 50%

Perform the adjustments in order as follows:

Preparation:

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser..

3-1. BEAM LANDING

Demagnetize with a degausser

1. Input a raster signal with the pattern generator.

CONTRAST	}	normal
BRIGHTNESS		
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides evenly.
(Fig.3-1 - 3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig.3-1)
5. Switch over the raster signal to blue and blue and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corner is not right, adjust by using the disk magnets. (Fig.3-4)

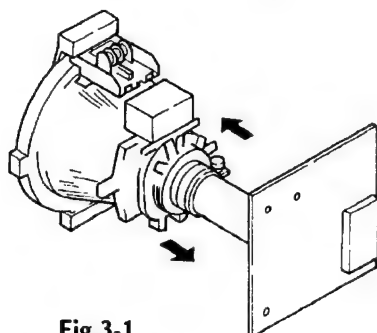


Fig.3-1

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G 2) and White Balance

Note: Test Equipment Required.

1. Color bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

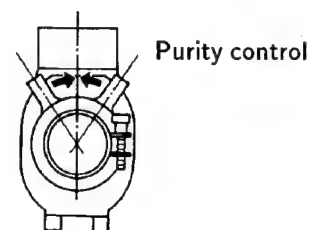


Fig.3-2

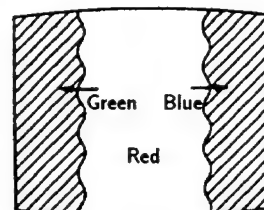


Fig.3-3

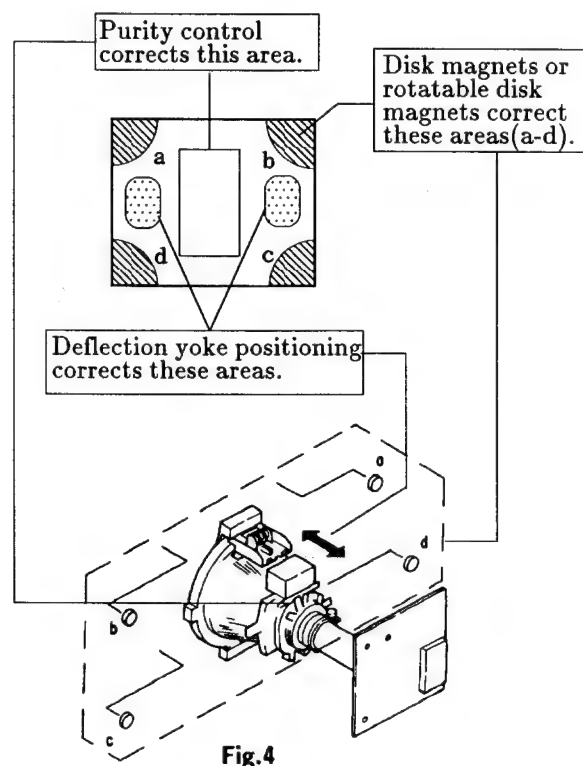


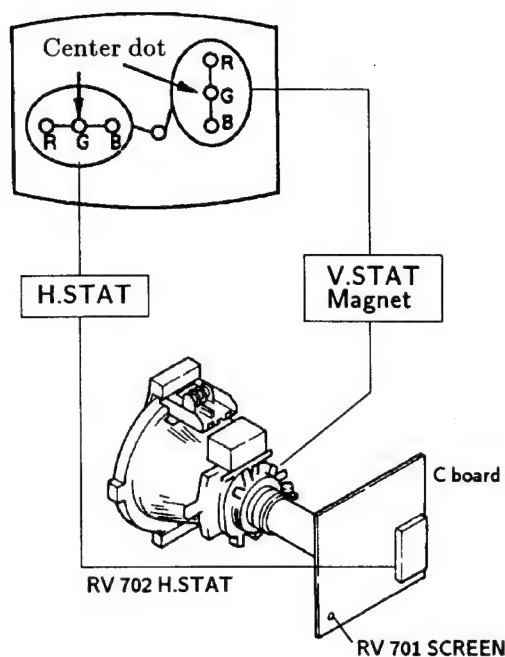
Fig.4

3-2. CONVERGENCE

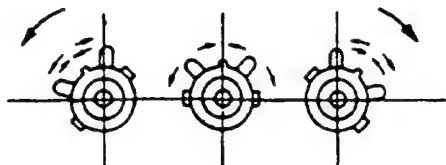
Preparation:

- Before starting, perform FOCUS, H.SIZE, and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

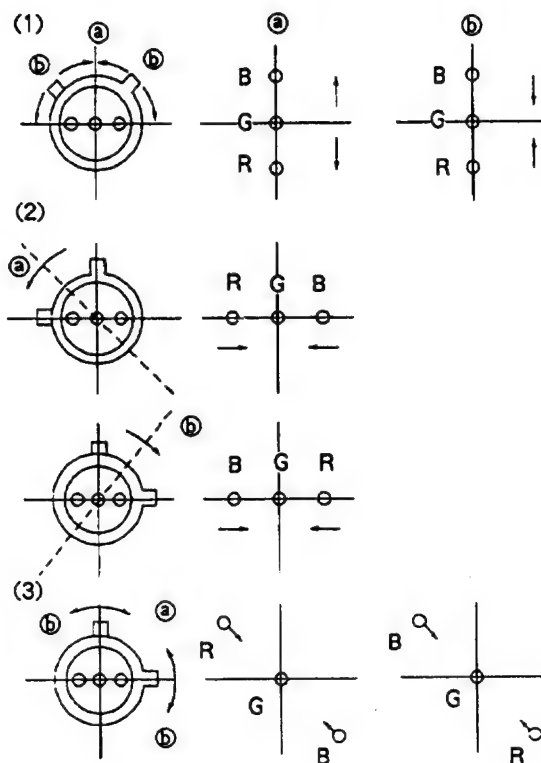
(1) Horizontal and Vertical Static Convergence



1. Adjust H.STAT VR to converge red, green and blue dots the in center of the screen.(Horizontal movement)
 2. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)
 3. If the red, green and blue dots do not converge on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below. (In this case, H.STAT VR and V.STAT magnet effect each other.)
- Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



4. When the V.STAT magnet is moved in the direction of arrow (a) and (b), red, green and blue dots move as shown below.

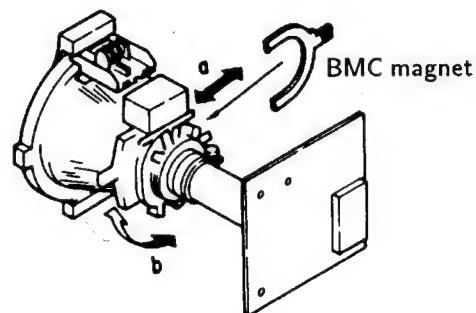


If the red and blue dot do not converge with green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H.static convergence.

Rotate BMC magnet (b) to correct insufficient V.static convergence.

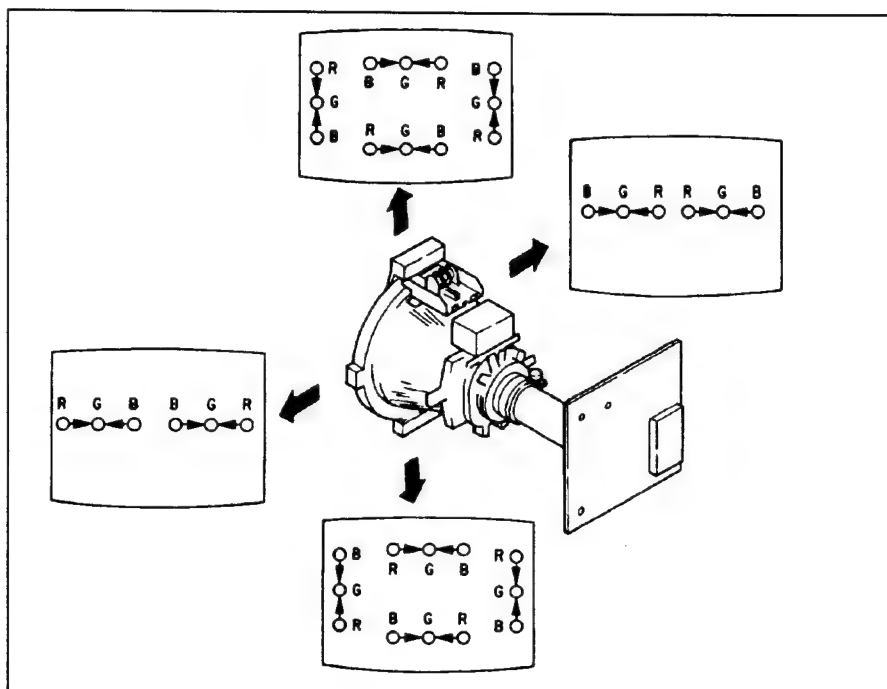
In either case, repeat Beam Landing Adjustment.



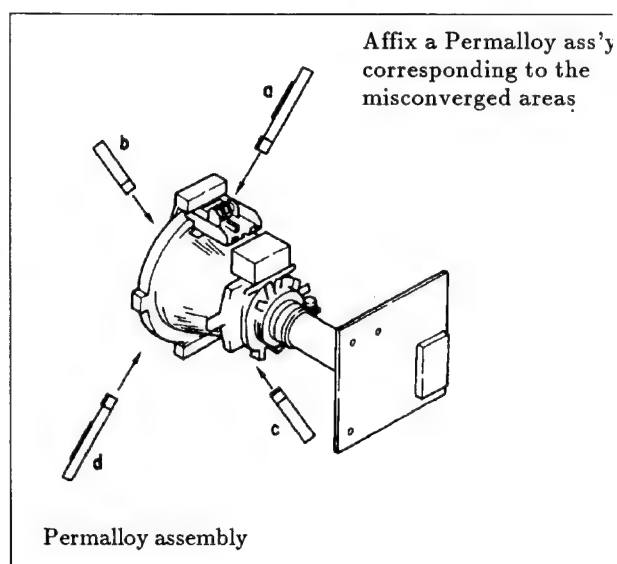
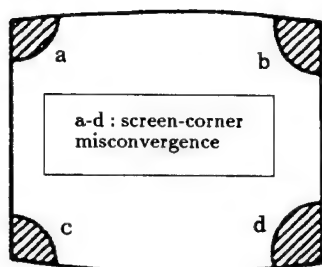
(2) Dynamic Convergence Adjustment

Preparation:

- Before starting perform Horizontal and Vertical static convergence Adjustment.
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence as shown below.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.

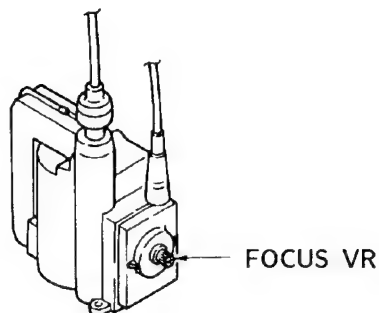


(3) Screen-corner Convergence



3-3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.



3-4. WHITE BALANCE

Screen G2 Setting

1. Input the dot signal from the pattern generator.
2. Set the picture brightness control to its lowest level.
3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
4. While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

1. Receive all-white signal.
2. Enter into service mode. (Refer to the section 4 "Electrical Adjustment" to how to enter service mode.)
3. Select CXA 1587 on menu.

09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.

4. Set picture to MAX.
5. Adjust G-DRIVE B-DRIVE with , buttons so that the white balance becomes optimum.
6. Press button to write the data for each item.
7. Set picture to MIN.
8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R-MANUAL CUT OFF, G-MANUAL CUT OFF and B-MANUAL CUT OFF with , buttons so that the white balance becomes optimum.
9. Press button to write the data for each item.

SECTION 4

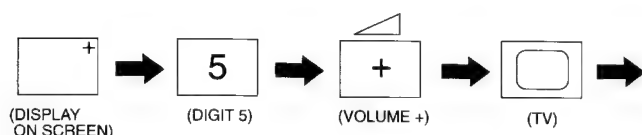
CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander RM-833.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set and enter into standby mode.
2. Press the following sequence of buttons on the Remote Commander.



“TT” will appear in the top right corner of the screen.
Other status information will also be displayed.

3. Press the **MENU** button on the Remote Commander to obtain the menu on the screen.

DEVICE NAME

STAT : xxxx

☐ NEXT
☐ PREVIOUS
☐ OK

USE COLOUR KEYS
SONY TEST MENU.

4. Press the Red (Next) and Green (Previous) buttons to select the device corresponding to the adjustment item from the table. Then press the White button (OK).

DEVICE NAME

00 ADJUSTMENT : xxx

☐ NEXT
☐ PREVIOUS

SELECT COL.BUTTON
CHANGE BY MENU +/-

5. Press the Red (Next) or Green (previous) buttons to select the adjustment item. Then press the and buttons to change the data to comply with each standard.
6. Turn off the power to quit the service mode when adjustments are completed.

Initial Conditions for setup of TDA8366, TDA6612, TDA6612 and SAA7283. (StereoModels Only)

TDA8366 1	INIT VALUE	TDA8366 2	INIT VALUE
Hue	31	Interlace	00
H Shift	Adj	Sync Mode	00
H Size	Adj	Col Dec	00
Pin Amp	Adj	Vert Div	00
Corn Pin	Adj	Vid ID	00
Tilt	Adj	EHT Track	01
V.Linear	Adj	En V Grd	00
V.Size	Adj	Serv Blk	00
S.Corr	Adj	OVP Mode	00
V.Cent	Adj	Aspect R	00
HWB Red	Adj	Start Freq	00
HWB Green	Adj	Y/C Input	00
HWB Blue	Adj	PAL/NTSC	00
Peaking	8	Xtal PLL	00
Bright	32	Y Delay	07
Colour	32	RGB Blk	00
Picture	37	Noise Cor	00
AGC Set	00	Fast Blk	01
Src Sel 1	00	AFC Wind	00
Src Sel 2	00	IF Sensy	00
Time Con	03	Mod Std	00
Xtal Ind	03	Vid Mute	01
FF Freq	02		

TDA6612 (TDA6622 for UKmodel.)	INIT VALUE	TDA6612 (TDA6622 for UKmodel.)	INIT VALUE
MPX Per	00	Mute 2	01
Quasi St	00	C1/2LS	00
Bass Exp	00	C1/2KH	00
H Pulse	00	Mono	01
Matrix St	00	Scart	00
Bypass	00	Scart D	00
Vol L Sp	07	AM	00
Vol R Sp	07	SAA7283	INIT VALUE
Vol HP	00	Mon M1/M2	01
PII Sync	00	DM Select	01
Mute 3	01	SSWIT 123	07
Treble	08	Port 2	00
Bass	09	Mute Def	00
X Talk Adj	Adj	AMDIS	00
Mute 1	00	E Max	80
		E Min	01

2. TEST MODE 2 :

available by pressing Test button twice, OSD 'TT ' appears. The functions described below are available pressing the two numbers. To release the Test Mode 2, press 0 twice, or switch the TV into Stand-by Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Ageing Condition (Volume min., Picture max., Brightness max.
08	Shipping Condition (Analog Values are RESET due to factory setting, Prog 1 is selected, TT Mode is switched off)
09	"Menu" Flag request
10	Tenth entry is deleted
11	dummy
12	dummy
13	dummy
14	Forced AV 16:9 detection on/off
15	Read factory setting from NVM Reads Volume, Balance, Treble, Bass, Brightness, Contrast, Hue, Sharpness, Colour values from ROM to the actual used values (Last Power Memory)
16	Save actual used values as RESET values Memorize actual used values Balance, Treble, Bass, Hue, Sharpness at RESET position in NVM.
17	Preset Label for AV Sources
18	RGB Priority on/off
19	Clear all preset labels
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24	Set destination = U RGB Priority = Off
25	Set destination = D RGB Priority = Off
26	Set destination = B RGB Priority = On
27	Set destination = K RGB Priority = Off
28	Set destination = L RGB Priority = Off
29	Set destination = E RGB Priority = Off

30	Tenth entry is deleted
31	Set Destination = A RGB Priority = On
32	dummy
33	Auto AGC
34	N/S Pin Adjust
35	Manual AGC Adjust
36	dummy
37	dummy
38	To Activate Rotation Coil Adjustment
39	Check Rotation Coil Adjustment
40	Tenth entry is deleted
41	Re-initialise NVM
42	Production use only
43	Initialise Geom Settings
44	Initialise all favorite pages = 100
45	Channel locks = off
46	IR Channel Presetting Mode The channel presetting can be done by a Special IR Transmitter (Ver 2 and above software only)
47	dummy
48	Set NVM testbyte to 44h
49	Erase the NVM Testbyte (this byte detects already stored NVM's) After selecting this function, switch TV Off and On -> the NVM will be preset by μ -Controller.

In Test Mode the Menu display is switchable by the Speaker-Off button.

Note : For Test Modes 41 - 49 it is necessary to ensure that the TV is set to Prog 59.

SUB BRIGHTNESS ADJUSTMENT

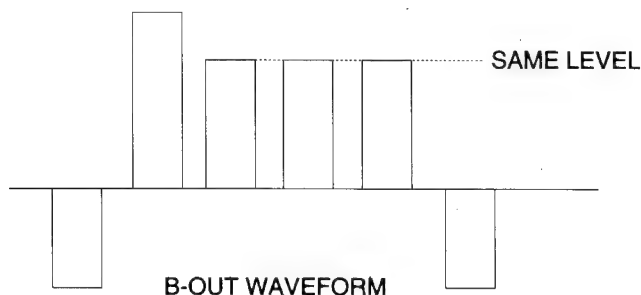
1. Input a Phillips pattern.
2. Enter into service mode and press 23.
3. Adjust data so that 0-IRE of grey scale and CUT-OFF 20-IRE are only slightly visible on screen.

SUB CONTRAST ADJUSTMENT

1. Input a video that contains a small 100% area on a Black Background.
2. Enter into service mode and press 01 to have PIC max followed by 21.
3. Connect oscilloscope to pin ① of CN703 (R OUT) and adjust HWB Red data of TDA8366 1 to obtain 2.3Vp-p.

SUB COLOR ADJUSTMENT

1. Input a PAL color bar signal.
2. Connect an oscilloscope to pin ③ of CN703 (B OUT) on the C board.
3. Enter into service mode and press 22.
4. Adjust data so that the right sides of the waveform are set to the same level.

**STEREO SEPARATION ADJUSTMENT**

1. Input a 1KHz stereo signal to the L-ch and a 400Hz stereo signal to the R-ch.
2. Enter into service mode and select the "Test Menu" to be TDA6612. (TDA6622 UK models)
3. Select the Stereo Xtalk Adjustment Menu, by using the Red (Next) and Green (Previous) buttons.
4. Monitor the Scart 1 L-channel output and adjust the data so that the R-channel sound is not detected in the L-channel.

I.F. COIL ADJUSTMENT (T101) - B/G, D/K, I AND STANDARD FOR CONTINENTAL MODELS.

1. Apply a 38.9MHz signal at 100dBuV to the input of SWF101.
2. Receive a channel so that the I.C. is selected for negative modulation.
3. Measure the voltage at the AFT test point and adjust (T101) to obtain 2.4V +/- 0.2V.

I.F. COIL ADJUSTMENT (T101) - I, STANDARD FOR U.K. MODELS.

1. Apply a 39.5MHz signal at 100dBuV to the input of SWF101.
2. Receive a channel so that the I.C. is selected for negative modulation.
3. Measure the voltage at the AFT test point and adjust (T101) to obtain 2.4V +/- 0.2V.

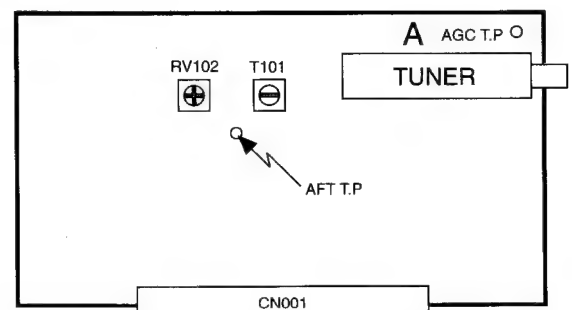
L, BAND 1 ADJUSTMENT (RV102) - L, STANDARD FOR FRENCH MODELS.

1. Apply a 33.95MHz signal at 100dBuV to the input of SWF101.
2. Receive a channel so that the I.C. is selected for positive modulation and system L band 1.
3. Measure the voltage at the AFT test point and adjust (RV102) to obtain 2.4V +/- 0.2V.

Note : Only adjust RV102 after T101 has been correctly adjusted.

AGC ADJUSTMENT

1. Receive an off-air signal.
2. Enter the service mode, ("Test" "Test") and 35.
3. Adjust the data so that there is no snow or cross-modulation visible on the screen.
4. Change the receiving off-air channel, and confirm the above status.



- A Board component side -

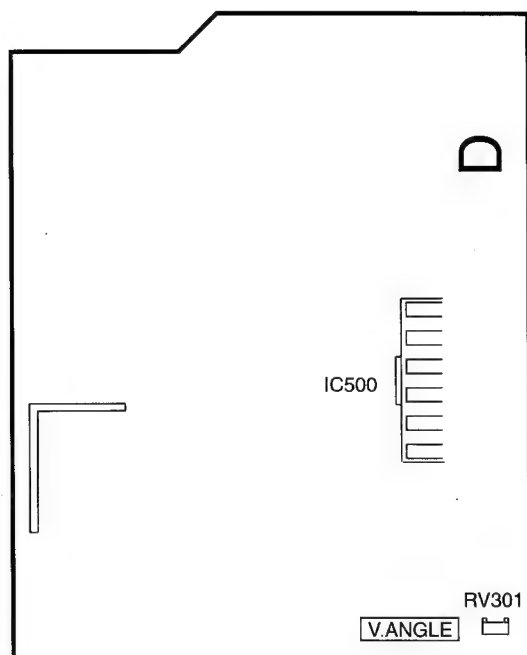
DEFLECTION SYSTEM ADJUSTMENT

Enter into service mode.

Select and adjust each item in order to obtain the optimum image.

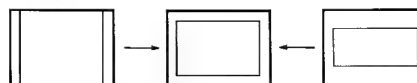
Item No	Adjustment item.	Data Amount
03	H SHIFT	ADJ.
04	H SIZE	ADJ.
05	PIN AMP	ADJ.
06	CORR PIN	ADJ.
07	TILT	ADJ.
08	V LINEAR	ADJ.
09	V SIZE	ADJ.
0A	S CORR	ADJ.
0B	V CENTER	ADJ.

Note : V ANGLE is adjusted by a Variable Resistor on the 'D' Board (RV301)

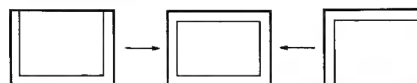


- D Board Component Side -

V SIZE



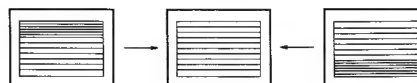
V CENTER



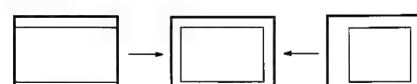
S CORR



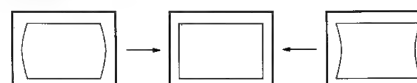
V LIN



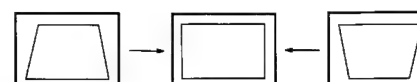
H SIZE



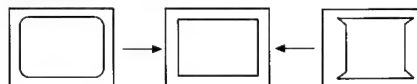
PIN AMP



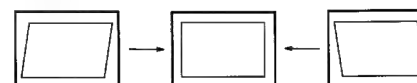
TILT



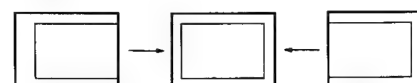
CORR PIN



V ANGLE



H SHIFT



4-3. BE-3B SELF DIAGNOSTIC SOFTWARE

The identification of errors within the BE-3B chassis is triggered in 1 of 2 ways :- 1: Bus busy or 2: Device failiure to respon IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failiure to do so will report with continous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a dev is found to be faulty the relevant device number will be displayed through the led (Series of flashes which must be counted) (Table 1., on fatal errors are reported with this method.

If a fatal error is found the set will simply stay in whichever state it was when the error occured, but if a non fatal error occur the set will try to continue operation.

Table 1

Device	LED Error Count	Fatal Error
NVM	2 .. 9	√
Teletext	10	
Jungle	11	√
Video_sw	12	
Tuner	13	√
Nicam	14	
Audio_cont	15	√

Flash Timing Example : e.g. error number 3.

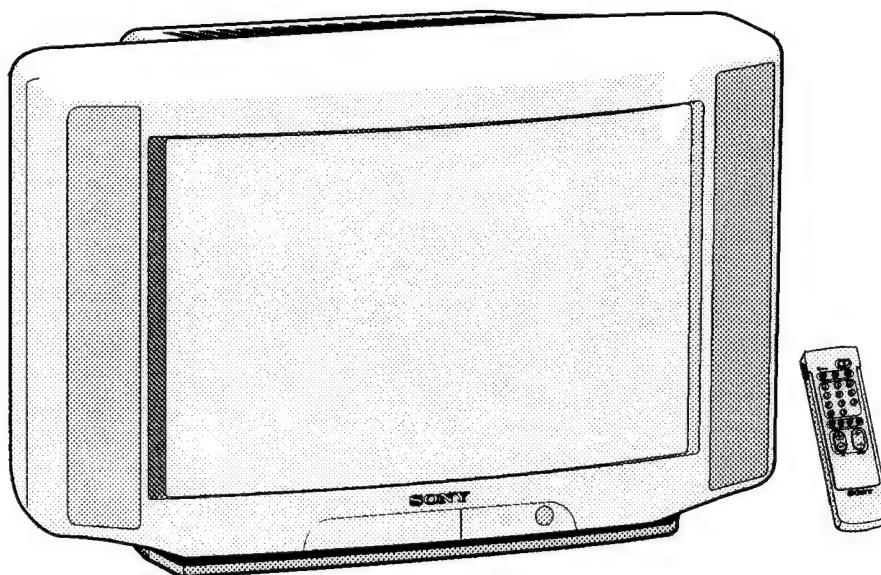
Stby LED



SERVICE MANUAL

BE-3B CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-C2173B	RM-833	French	SCC-G85R-A	KV-C2171K	RM-833	OIRT	SCC-G86J-A
KV-C2171D	RM-833	AEP	SCC-G77T-A	KV-C2171KR	RM-833	Russian	SCC-G86S-A
KV-C2173E	RM-833	Spanish	SCC-G82R-A				



TRINITRON[®] COLOUR TV
SONY[®]

ITEM	MODEL	Television System	Channel Coverage	Colour System
French	B/G/H	B/G/H VHF: E2-E12, UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 Italy: A-H, H1, H2	PAL NTSC3.58/4.43 (video input only)	
AEP	B/G/H, D/K	B/G/H VHF: E2-E12, UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 Italy: A-H, H1, H2 D/K VHF: R01-R12, UHF: R21-R69	PAL, SECAM NTSC3.58/4.43 (video input only)	
Spanish	B/G/H	B/G/H VHF: E2-E12, UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 Italy: A-H, H1, H2	PAL, SECAM NTSC3.58/4.43 (video input only)	
OIRT	B/G/H, D/K	B/G/H VHF: E2-E12, UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 Italy: A-H, H1, H2 D/K VHF: R01-R12, UHF: R21-R69	PAL, SECAM NTSC3.58/4.43 (video input only)	
Russian	B/G/H, D/K	B/G/H VHF: E2-E12, UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 Italy: A-H, H1, H2 D/K VHF: R01-R12, UHF: R21-R69	PAL, SECAM NTSC3.58/4.43 (video input only)	

MODEL	French	AEP	Spanish	OIRT	Russian
Power Consumption	75W	75W	75W	75W	75W

Specifications

Picture tube Hi-Black Trinitron
Approx. 54 cm (21 inches)
(Approx. 51 cm picture measured diagonally)
100° -deflection

Input/Output Terminals

[REAR]

- 1 21-pin Euro connector (CENELEC standard)
 - Inputs for audio and video signals
 - inputs for RGB
 - outputs of TV video and audio signals
- 2 / ➤ 2 21-pin Euro connector
 - inputs for audio and video signals
 - inputs for S video
 - outputs for audio and video signals (selectable)

[FRONT]

- 3 Video input - phono jack
- 3 Audio inputs - phono jacks
- 3 S video input - 4-pin DIN
- Ω Headphone jack - Stereo minijack

Sound output 2x20W (Music power)
Approx. 652 x 433 x 488 mm
Weight Approx. 26 kg

Supplied accessories RM-833 Remote Commander (1)
IEC designation R6 battery (1)

Other features

Fastext
TOText (KV-C2173B/C2171D/C2171K/C2171KR only)
Nicam (KV-C2173B/C2173E only)

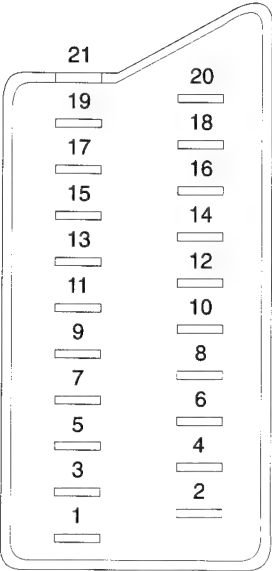
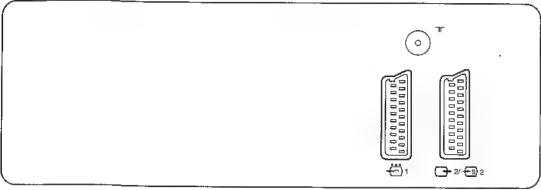
[RM-833]

Remote control system infrared control
Power requirements 1.5V dc
1 battery IEC designation
R6 (size AA)
Dimensions Approx. 65 x 222 x 21 mm (w/h/d)
Weight Approx. 157g (Not including battery)

Design and specifications are subject to change without notice.

Model name Item	KV-C2173B	KV-C2171D	KV-C2173E	KV-C2171K	KV-C2171KR
Pal Comb	OFF	OFF	OFF	OFF	OFF
PIP	OFF	OFF	OFF	OFF	OFF
NICAM	ON	OFF	ON	OFF	OFF
RGB Priority	ON	ON	ON	OFF	OFF
Scart 1	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON	ON
Scart 4	OFF	OFF	OFF	OFF	OFF
Projector	OFF	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON	ON
Norm B/G/H	ON	ON	ON	ON	ON
Norm I	OFF	OFF	OFF	OFF	OFF
Norm D/K	OFF	ON	OFF	ON	ON
Norm AUS	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	OFF	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF
Language Preset	French	German	Spanish	OIRT	Russian

21 pin connector (1 / 2 / 2)



Pin No	1	2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level: 0.5Vrms Output impedance:less than 1kohm*
2	○	○	Audio input B (right)	Standard level:0.5Vrms Input impedance:More than 10kohms*
3	○	○	Audio output A (left)	Standard level:0.5Vrms Output impedance:less than 1kohm*
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio input A (left)	Standard level:0.5Vrms Input impedance:More than 10kohms*
7	○	●	Blue input	0.7V±3dB, 75ohms, positive
8	○	○	Function select (AV control)	High state (9.5—12V):Part mode Low state (0—2V):TV mode Input impedance:More than 10kohms Input capacitance:Less than 2nF
9	○	○	Ground (green)	
10	○	○	Open	
11	○	●	Green	Green signal:0.7V±3dB, 75ohms, positive
12	○	○	Open	
13	○	○	Ground(red)	
14	○	○	Ground (blanking)	
15	○	—	Red input	0.7V±3dB, 75ohms, positive
	—	○	(S signal) croma input	0.3V±3dB, 75ohms, positive
16	○	●	Blanking input (Ys signal)	High state (1—3V) Low state (0—0.4V) Input impedance:75ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1V±3dB, 75ohms, positive Sync:0.3V(—3, +10dB)
20	○	—	Video input	1V±3dB, 75ohms, positive Sync:0.3V(—3, +10dB)
	—	○	Video Input/Y (S signal)	1V±3dB, 75ohms, positive Sync:0.3V(—3, +10dB)
21	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75 ohm., positive Sync. 0.3V -3/+10 dB
4	C (S signal) input	0.3V ± 3dB 75 ohm , positive Sync.

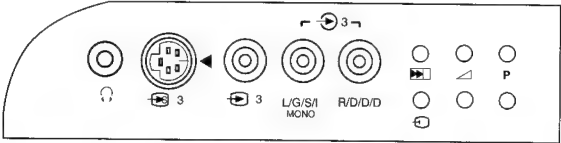


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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND, IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.


ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

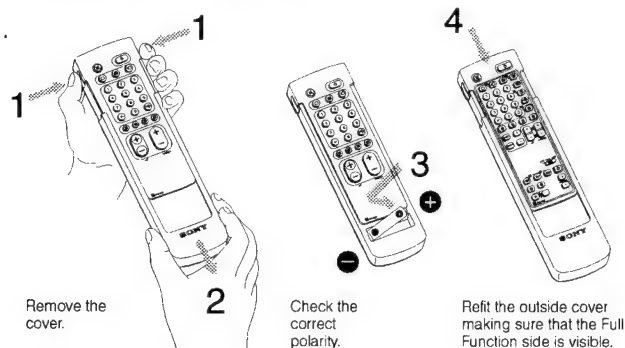
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES VUES EXPLOSÉES ET LES LISTES DE PIÉCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDICÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

Getting Started

Inserting the Battery Into the Remote Commander



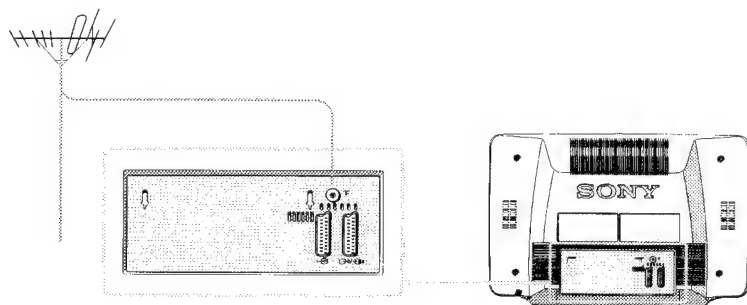
About Battery Life

Under normal operation, a battery will last up to half a year.

Always remember to dispose of used battery in an environmental friendly way.

Connecting the Aerial

Connect the aerial to the T socket at the rear of the TV.
(cable not supplied)



The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

Choosing a Language

(See inside of front cover and back cover)

1 Depress **⏻** **A** on the TV.

The TV turns on. If the standby indicator **B** on the TV is lit, press **⏻** **B** or any number button **C** on the Remote Commander.

2 Press MENU **D** on the Remote Commander.

The SELECT LANGUAGE screen appears.

MENU

3 Press one of the colour buttons **E** on the Remote Commander to select a language (Press the white button **F** to display other language alternatives). The SELECT LANGUAGE screen clears and all subsequent menus appear in the chosen language.



Note: From the second time when you turn on the TV, the MENU screen appears instead of the SELECT LANGUAGE screen. Press the yellow button **G** then press the white button **F** to redisplay the SELECT LANGUAGE screen.

Tuning in to Channels

You can tune in up to 100 channels to programme positions either automatically or manually.

auto tuning: A single button press allows all receivable channels to be tuned. Use if you are unfamiliar with the channel numbers of stations.

manual tuning: Use if you are familiar with the channel numbers of stations.

Choose the more appropriate way for you.

Tuning in to Channels Automatically

There are two possibilities for auto tuning;

A. On the TV: hold down **⏻** **B** on the front of the TV for 2 seconds

Note: The button **⏻** **B** for Automatic Presetting of channels is protected to prevent accidental usage. Use the tip of a pencil to press it.

or

B. On the Remote Commander: as follows

1 Press MENU **D**.

2 Press the white button **F**.

3 Hold down the red button **G** for 2 seconds,

Note: Press the green button **H** to cancel.

Tuning in to Channels Manually

1 Press MENU **D**.

The MENU screen appears.

MENU

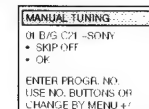
2 Press the white button **F** to select PRESET.

The PRESET screen appears.



3 Press the green button **H** to select MANUAL TUNING

The MANUAL TUNING screen appears.



- 4 Press the number buttons 1 or MENU +/- 2 to select a programme position.**
If you use the number buttons 1, enter a double-digit number. (e.g. for programme number 4, first press 0, then 4)

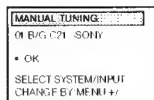
- 5 Press the green button 3.**

Note: Use MENU +/- 2 to select TV system.

You can alternatively select input sources which may be assigned to programme positions.

The display changes as follows:

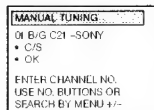
B/G → D/K → AV1 → RGB → AV2 → YC2 → AV3 → YC3



- 6 Press the green button 3.**

Note: If a video input source is selected in step 5, this is now stored.

Refer to step 4 to tune other programme positions.



- 7 If you have selected B/G in step 5, press the red button 4 to select C (regular channel) or S (cable channel).**

- 8 Press the number buttons 1 or MENU +/- 2 to select the channel number.**

If you use the number buttons 1, enter a double-digit number. (e.g. for channel 23, first press 2, then 3)

- 9 Press the green button 3 to store.**

Note: If you want to preset other channels, repeat steps 4 to 9.

- 10 Press MENU 7 twice to return to the normal screen.**

Note: You can skip unused programme positions when selecting programmes with the PROG +/- buttons 10. However, the skipped programmes may still be called up when you use the number buttons.

Basic TV Operations

Turning the TV on and off

Turning on
Depress 1A on the TV.

Turning off temporarily
Press 10 on the Remote Commander.
The TV enters standby mode and the standby indicator 1B on the front of the TV lights up.

Turning on again
Press 10, PROG +/- 10, or one of the number buttons 1 on the Remote Commander.

Turning off completely
Depress 1A on the TV.
Note: It is recommended to use 1A to turn off the TV. This could help you save energy.

Selecting TV Programmes

Press PROG +/- 10 or press the number buttons 1.

To select a double-digit number
Press +/- 2, then the number buttons 1.

Adjusting the Volume

Press 1 +/- 10.

Muting the Sound

Press 10.
To resume normal sound, press 10 again.

Displaying the On-screen Indications

Press 10 10 once to display the on-screen indications.
Press again to make the indications disappear.

Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can adjust or select the functions as follows:

Press 1 +/- 10 to adjust the volume.
Press P +/- 10 to select programme numbers or to turn the TV on from the standby mode.
Press 10 10 to select the input source.
Press 10 10 to preset channels automatically.

Advanced TV Operations

Operating the Menu System

You can adjust picture and sound, preset channels to programme positions and utilise other convenient features by using the following menu system.

Press:	to:
1 MENU 7	enter the MENU screen
2 a colour button 10	select an item you want to change (The selected item is marked by a triangle.)
3 MENU +/- 10	change (or adjust) the contents of the item
4 MENU 7	return to the MENU screen
5 MENU 7 again	return to the normal screen
Press MENU 7 once or twice whenever you want to return to the normal screen.	

Note: When selecting menus, the picture becomes darker. If, however, an item in the PICTURE ADJUSTMENT menu is selected, normal level of TV picture is restored to allow the best adjustment.

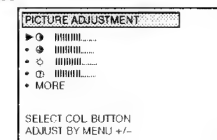
Adjusting the Picture and Sound

Although picture and sound are adjusted at the factory you can adjust them to suit your own taste.

- Press MENU 7.
The MENU screen appears.
- Press the red button 10 to select PICTURE or the green button 10 to select SOUND.
- Press the respective colour button 10 to select an item.
- Press MENU +/- 2 to adjust.
- Press MENU 7 twice or wait until the menu displays disappear automatically to return to the normal screen.

PICTURE ADJUSTMENT

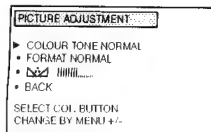
(First Page)



Press colour button	Effect
Red: For Picture 10	Less —+— More
Green: For Colour 10	Less —+— More
Yellow: For Brightness 10	Darker —+— Brighter
Blue: For Sharpness 10	Softer —+— Sharper
White:	Next page of PICTURE ADJUSTMENT

PICTURE ADJUSTMENT

(Second Page)

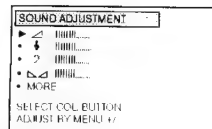


Press colour button	Effect
Red: For Colour Tone	Normal ⇌ Warm (reddish colour tone) ⇌ Cool (blueish colour tone)
Green: For Format	Normal: Normal setting 16:9 Wide screen effect
Blue: For Hue control (only for NTSC video signals)	Reddish ——— Greenish
White:	Back to first page of PICTURE ADJUSTMENT

Note: Press →←← on the Remote Commander to reset to the factory preset levels for picture and sound.

SOUND ADJUSTMENT

(First Page)



Press colour button	Effect
Red: For Volume	Less ——— More
Green: For Treble	Less ——— More
Yellow: For Bass	Less ——— More
Blue: For Balance	More left — more right
White:	Next page of SOUND ADJUSTMENT

SOUND ADJUSTMENT

(Second Page)



Press colour button	Effect
Red: For Space Sound	OFF: normal sound ON: for a special acoustic sound effect
Green: For Loudness	OFF: normal sound ON: when listening to low volume sound
Yellow: For Stereo/Dual	Stereo ⇌ Mono A (left channel) ⇌ Mono B (right channel) ⇌ Mono
Blue: For Reset	Resets picture and sound to the factory preset levels.
White:	Back to first page of SOUND ADJUSTMENT

Note: Press →←← on the Remote Commander to reset to the factory preset levels for picture and sound.

Using Special Features

With your TV you can utilise special features such as Parental Lock or Sleep Timer.

- 1 Press **MENU**.
The MENU screen appears.
- 2 Press the yellow button **4** to select **FEATURES**.
- 3 Press the respective colour button **1** to select an item.
- 4 Press **MENU +/-** **3** to change.
- 5 Press **MENU** **1** twice or wait until the menu displays disappear automatically to return to the normal screen.

FEATURES



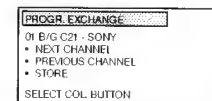
Press colour button	Effect
Red: For Sleep Timer (Automatic switch off function)	OFF ⇌ 0:30 ⇌ 1:00 ⇌ 1:30 ⇌ 2:00 (hours) After the selected time the TV set switches itself automatically into standby mode.
Green: For Parental Lock (For preventing children from watching programmes which you consider unsuitable)	OFF: Normal setting ON: The TV-channel you are watching is now blocked. In this way you can prevent undesirable broadcasts from appearing on the screen.
Yellow: For TV Button Lock	OFF: Normal setting ON: The buttons on the TV do not function anymore. (The Remote Commander still operates)
Blue: For Demo Mode	ON: A sequence of menu pictures is displayed. Press any button on the Remote Commander to stop the function.
White: For Language	The SELECT LANGUAGE screen appears.

Advanced Presetting Functions

Exchanging Programme Positions

You can exchange the programme positions to a preferred order (example: exchange programme 09 (channel C21) with programme 15 (channel C24)).

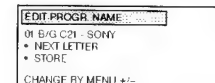
- 1 Press **MENU**.
The MENU screen appears.
- 2 Press the white button **0**.
The PRESET screen appears.
- 3 Press the yellow button **0**.
The PROGR. EXCHANGE SCREEN appears.
- 4 Press the white button **0** repeatedly until the desired programme number (09) appears.
- 5 Press the red or the green button **0** repeatedly until the desired channel number (C24) appears.
- 6 Press the white button **0** to store.
Now the exchange has been completed. Channel C24 is tuned in to programme 09 and channel C21 is tuned in to programme 15.
- 7 Press **MENU** **1** twice to return to the normal screen.




Editing Programme Names

You can edit the programme names up to five letters.

- 1 Press **MENU**.
The MENU screen appears.
- 2 Press the white button **0**.
The PRESET screen appears.
- 3 Press the blue button **1**.
The EDIT PROGR. NAME screen appears. The first character flashes.



- 4 Press **MENU +/-** to edit the first letter.
The first letter changes as follows
A ↔ B ↔ ... ↔ Z ↔ 1 ↔ ... 9 ↔ " " (space).

- 5 Press the red button **1** to move to the next letter.
- 6 Repeat steps 4 to 5, until the fifth letter is chosen.
- 7 Press the green button **2**.
The programme name is stored, and the normal screen appears. To edit another programme name, repeat steps 1 to 7.

Fine Tuning

You can adjust the receiving conditions by the FINE TUNE function.

- 1 Press **MENU 7**.
The MENU screen appears.
- 2 Press the white button **1**.
The PRESET screen appears.
- 3 Press the white button **1** again.
The FINE TUNE screen appears.



- 4 Press **MENU +/-** to adjust the receiving condition.
- 5 Press the red button **1** to store the adjustment, or press the green button **2** not to store.
Now the normal screen appears. If you have pressed the green button, the fine tuned condition is cancelled once you choose another programme.

Note: If the FINE TUNE screen disappears automatically before you press the red button **1**, the fine tuned condition is not stored. Repeat steps 1 to 5.

Tuning in to a Channel Temporarily

You can tune in to a channel temporarily, even when it has not been preset.

- 1 Press **C** on the Remote Commander.
For cable channels press **C** twice. The indication "C" (or "S" for cable channels) appears on the screen.
- 2 Enter a double digit channel number using the number buttons (e.g. for channel 23, first press 2, then 3).
The channel appears.
However, the channel is not stored.

Teletext Operation

TV stations broadcast teletext programmes via the TV channels. For basic operation of teletext, use the simple side of the Remote Commander. For the advanced features of teletext, use the buttons indicated in green on the full function side of the Remote Commander.

Basic Teletext Operation

Switching Teletext on and off

- 1 Select the channel which carries the teletext service you wish to view.
- 2 Press **TEXT** to display Teletext.
If no teletext signal is broadcast, the indication P100 is displayed on a black screen.



- 3 Input three digits for the page number using the number buttons **0-9**.
The numbers are displayed on the screen and the requested page appears in a few seconds.
Note: If you make a mistake, type in any three digits, then re-enter the correct page number.

- 4 Press **TV** to return to the TV mode.

Notes:

- To change the teletext channels. First press **TV** to return to the TV mode, then repeat steps 1 to 3.
- If the signal of a TV channel is weak, teletext errors may occur.

Advanced Teletext Operation

Using Fastext

With Fastext you can access pages with one button press. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons **1-4** on the Remote Commander.

Press the corresponding colour button **1-4** on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed in a few seconds.

Requesting the Index page

Press **INDEX**. The Index page appears.

Accessing the next or preceding page

Press **PAGE -** or **PAGE +**. The next or the preceding page appears on the screen.

Superimposing the teletext display on the TV picture

Press **TV** once if you are in text mode or press **TV** twice if in TV mode.
To return to the normal teletext display press **TEXT** twice.



Preventing a teletext page from being updated or changed

Press **HOLD**. The HOLD symbol (H) appears on the screen and the selected subpage is held until you press **TV** to cancel.

Enlarging the teletext display

Press **ENL** once to enlarge the upper half. Press twice to enlarge the lower half.
Press again to restore the normal display.



Revealing concealed information (e.g. answers to a quiz)

Press **REVEAL**. The information is revealed. Press **REVEAL** again to conceal the information.

Watching TV while waiting for a requested page to be displayed

- 1 Request a new teletext page.
- 2 Press **TEXT CL**.
The TV programme is displayed and the symbol **CL** is displayed at the top of the page.
Note: When the requested page is available the page number is displayed at the top of the screen.

- 3 Press **TV** to view the page.

To cancel the request

Display the teletext page, then press **TV**. The request is now cancelled. Press **TV** to resume TV mode.

Using the Favourite Page system

You can store up to four of your favourite teletext pages per programme with the help of the Favourite page system. In this way you have quick access to the pages you watch frequently.

Storing the Favourite Pages

- 1 Select the page you would like to store using the number buttons **0-9**.
- 2 Press **→** twice.
The colour prompts at the bottom of the screen flash.
- 3 Press any of the colour buttons **1-4** on the Remote Commander to store the selected page.
The page is now stored on this button.

Repeat steps 1 to 3 for the other 3 pages available.

Displaying the Favourite pages

- 1 Press **→**.
- 2 Press the colour button **1-4** corresponding to the colour prompt onto which the desired page is stored.
The page is requested. (It may take a few seconds to be received).

Note: Step 1 must be taken before every favourite page selection otherwise the normal Fastext facility operates.

Using the Time Function in the TV mode

Press **TIME** to request the time. Press again to cancel the request.

Note: This function is available only when teletext is broadcast.

Connecting Other Equipment

You can connect optional audio/video equipment to this TV such as VCRs, video disc players, cameras or stereo systems.

Connector	Acceptable input signal	Available output signal
① 1 ① (AV1/RGB)	Audio/video and RGB signal	Audio/video signal from TV Tuner
② 2/③ 2 ② (AV2/YC2)	Audio/video and S-video signal	Audio/video signal from selected source
③ 3/④ 3 ③ (AV3)	Audio/video signal	No outputs
④ 3/⑤ 3 ④ (YC3)	Audio/S-video signal	No outputs

To watch a video input picture, press ④ ② until the desired video input appears.

To return to the normal TV picture, press ④ ② repeatedly or press ① ②.

If you have a decoder, connect it to ① 1 ①.

Connecting a VCR Using the TV Aerial Terminal

Connect the aerial output of the VCR to the aerial terminal ① of the TV. It is recommended to tune in the VCR signal to programme number "0". For details, see "Tuning in to Channels Manually" on page 20.

S video input (Y/C input) ② ②

Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals.

Separating the Y and C signals prevents them from interfering with each other and therefore improves the picture quality (especially luminance). This TV is equipped with 2 video input terminals through which these signals can be input directly.

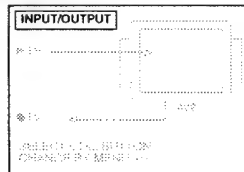
Checking and Selecting the Input and Output Sources Using the Menu

You can display a menu screen to see which input and output source are selected. You can also change the selecting using this menu.

Checking the Input and Output Sources

1 Press MENU ⑦.
The MENU screen appears.

2 Press the blue button ① to select INPUT/OUTPUT.
The INPUT/OUTPUT screen appears.



Selecting an Input Signal

Press the red button ① to select INPUT. Press MENU +/- ④ to select the desired input source.

You can select among the following sources:

TV → AV1 ↔ RGB ↔ AV2 ↔ YC2 ↔ AV3 ↔ YC3



Selecting an Output Signal

The ② 2/③ 2 connector ② outputs the source input from the other connectors. Press the green button ② to select OUTPUT. Press MENU +/- ④ to select the desired output source.

You can select among the following sources:

TV → AV1 ↔ AV2 ↔ YC2 ↔ AV3 ↔ YC3



Note: Press ⑦ twice or wait until the menu display disappears automatically to return to the normal screen.

Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most Sony remote-controlled video equipment such as: Beta, 8 mm or VHS VCRs or video disc players.

Tuning the Remote Commander to the equipment

1 Set the VTR 1/2/3 MDP selector ② according to the equipment you want to control:

VTR 1: Beta or VCR

VTR 2: 8mm VCR

VTR 3: VHS VCR

MDP: Video Disc Player

2 Use the buttons ③ to operate the additional equipment.

Notes:

- If your video equipment is furnished with a COMMAND MODE selector: set this selector to the same position as the VTR 1/2/3 MCP selector on the TV Remote Commander.
- If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.
- When you use the ④ (record) button, make sure to press this button and the one to the right of it simultaneously.

Using Headphones

You can utilise headphones. Connect them to the headphone jack ①, then the sound from the speakers goes off.

Note: You can't control the sound adjustment except for volume.

For your Information

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

No picture (screen is dark), no sound

- Plug the TV in.
- Press ① ② on the TV. (If the standby indicator ① is lit, press ① ② or any number button ① on the Remote Commander.)
- Check if the selected video source is on.
- Turn the TV off for three or four seconds and then turn it on again using ① ②.

Poor or no picture (screen is dark), but good sound

- Press MENU ⑦ to enter the MENU screen, and press the red button ①, then adjust ② and ③.

Good picture but no sound

- Press ① ② + ③.
- If ④ is displayed on the screen, press ④ ①.

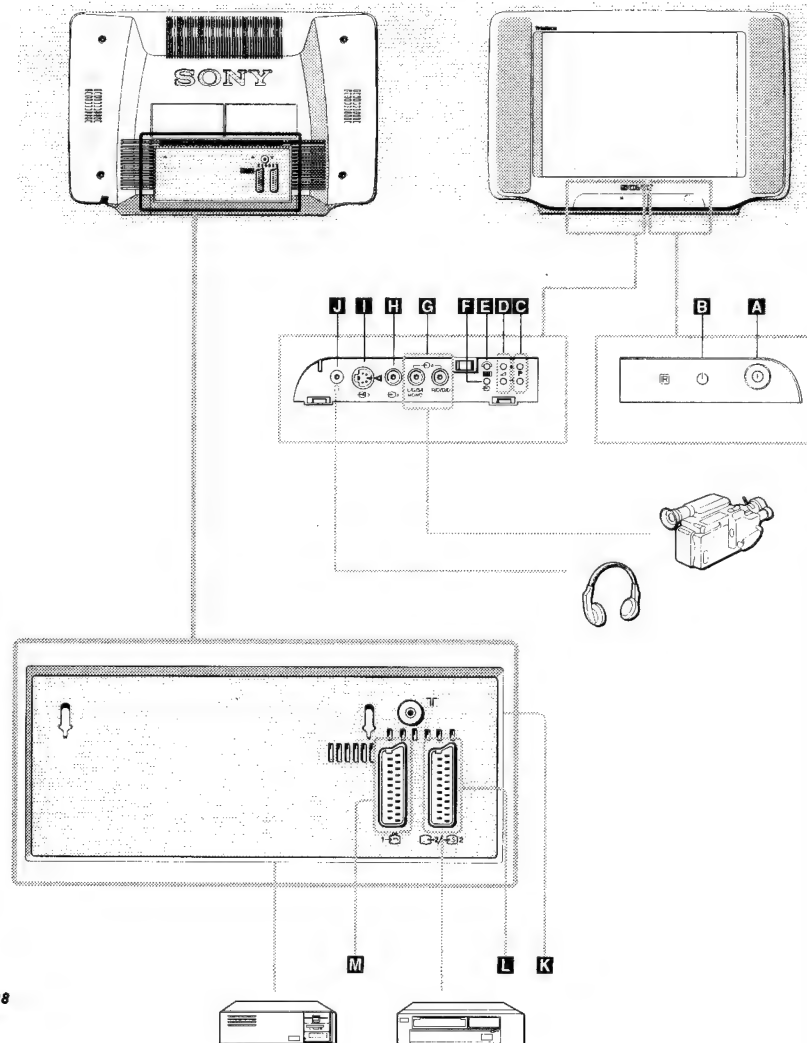
No colour for colour programmes

- Press MENU ⑦ to enter the MENU screen, and press the red button ①, then adjust ③.

Remote Commander does not function

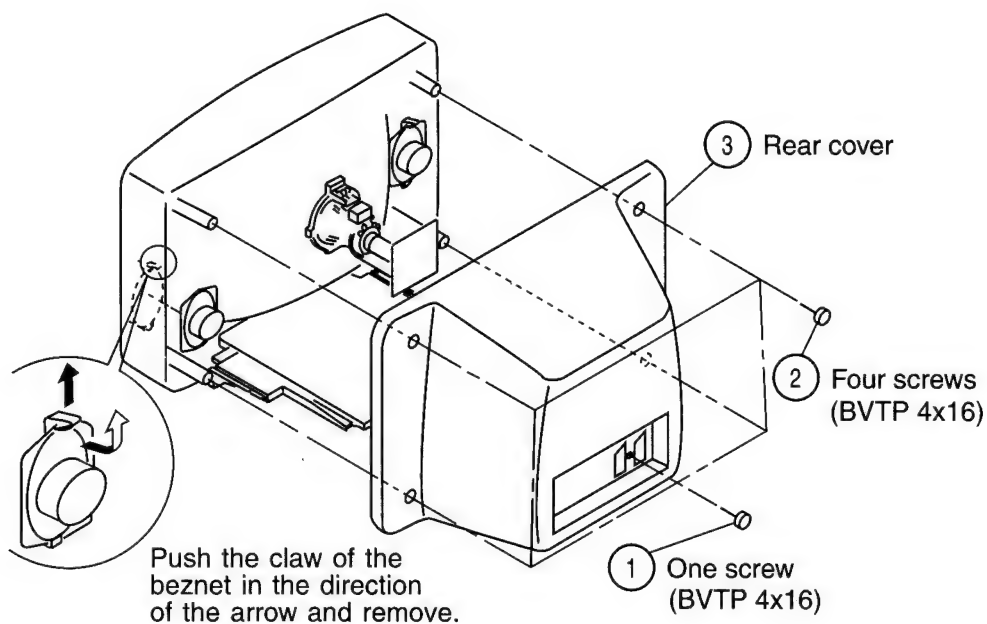
- Replace the battery.

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

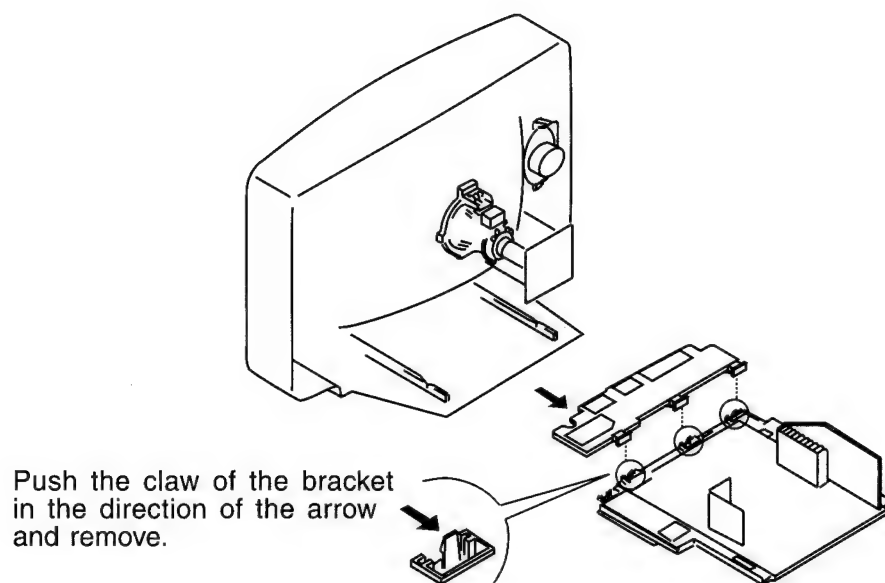


SECTION 2 DISASSEMBLY

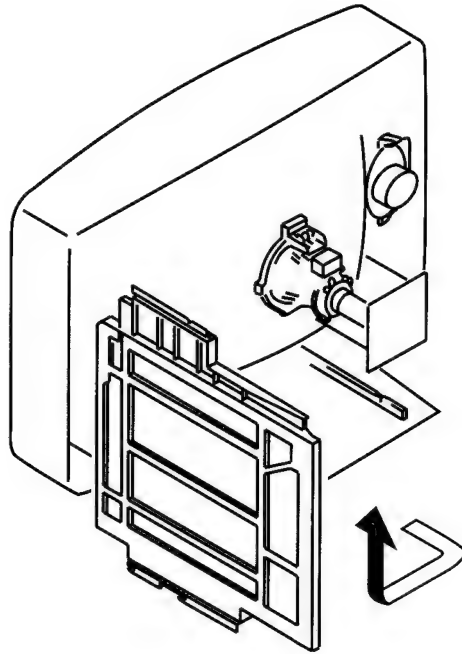
2-1. REAR COVER AND SPEAKER REMOVAL



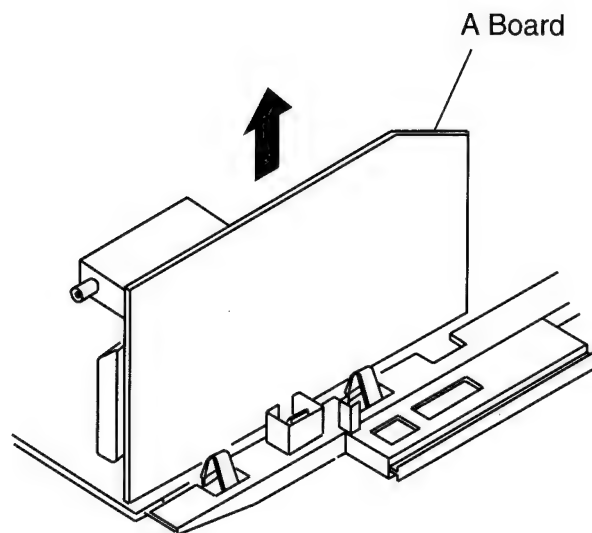
2-2. CHASSIS ASSY AND H BRACKET REMOVAL



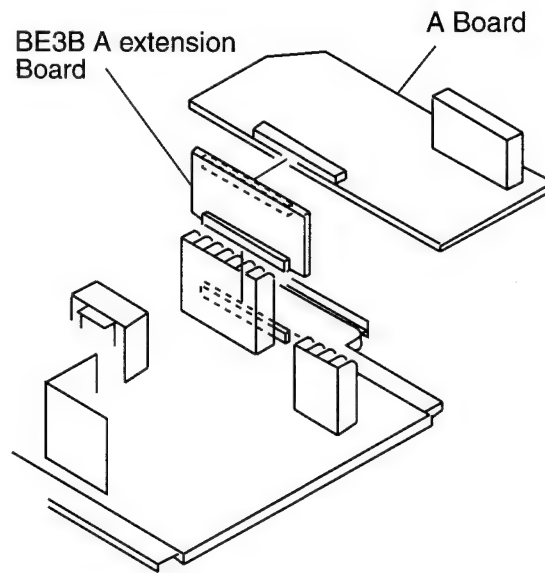
2-3. SERVICE POSITION



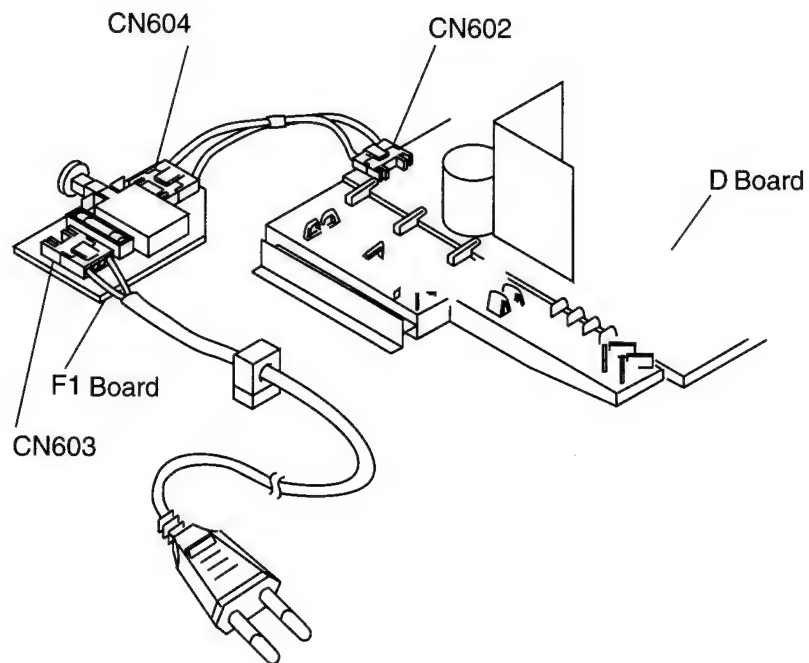
2-4. A BOARD REMOVAL



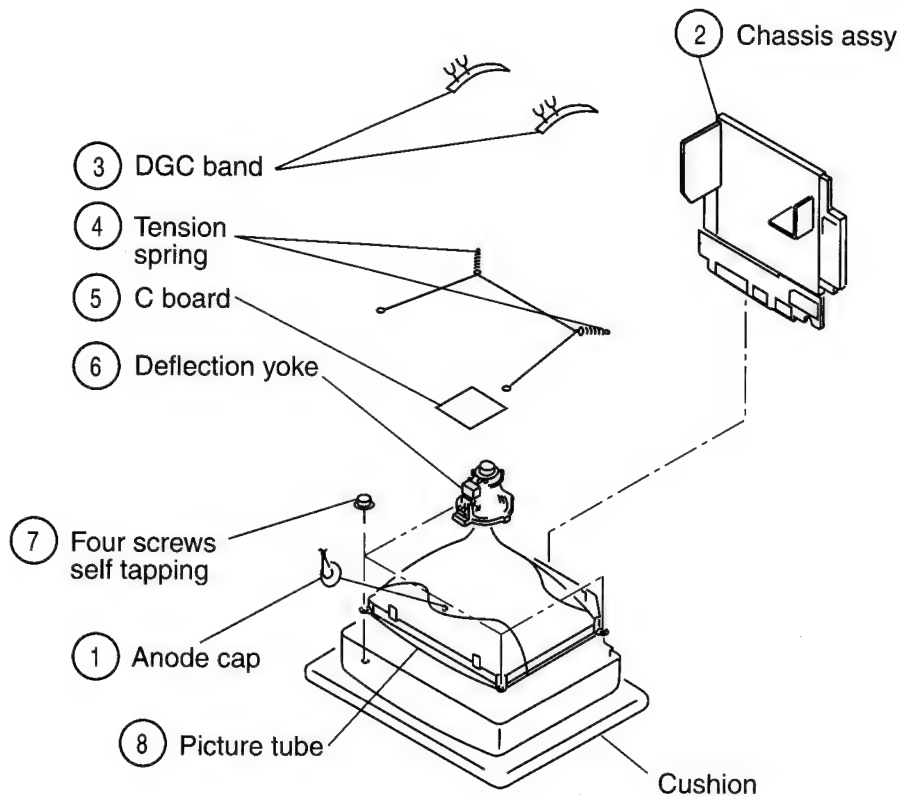
2-5. EXTENSION BOARD



2-6. WIRE DRESSING



2-7. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

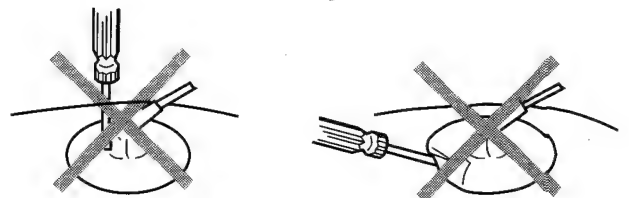
Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

* REMOVING PROCEDURES.

-
- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①
 - ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②
 - ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ③

• HOW TO HANDLE AN ANODE-CAP

- ① Don't damage the surface of anode-cap with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built into the rubber.
- ③ Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or damage the rubber.



SECTION 3

SET - UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to these settings :

☉ Contrast 80% (or remote control normal)
 ⚙ Brightness 50%

- Carry out the following adjustments in this order :

1. Beam landing
2. Convergence
3. Focus
4. White balance

Note: Testing equipment required.

1. Colour bar/pattern generator
2. Degausser
3. DC power supply
4. Digital multimeter
5. Oscilloscope

Preparation:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

- Input the white signal with the pattern generator.
 CONTRAST } normal
 BRIGHTNESS }
- Set the pattern generator raster signal to red.
- Move the deflection yoke forward and adjust with the purity control so that the red is at the centre and the blue and the green take up equally sized areas on each side. (See Fig. 3-1 - 3-3)
- Move the deflection yoke forward and adjust so that the entire screen becomes red. (See Fig. 3-1)
- Switch the raster signal to blue, then to green and verify the condition.
- When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig. 3-4)

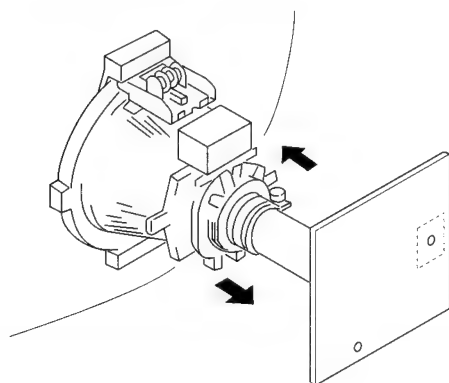


Fig. 3-1

Fig. 3-2

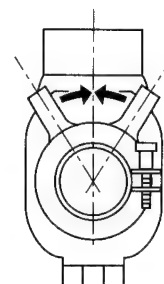


Fig. 3-3

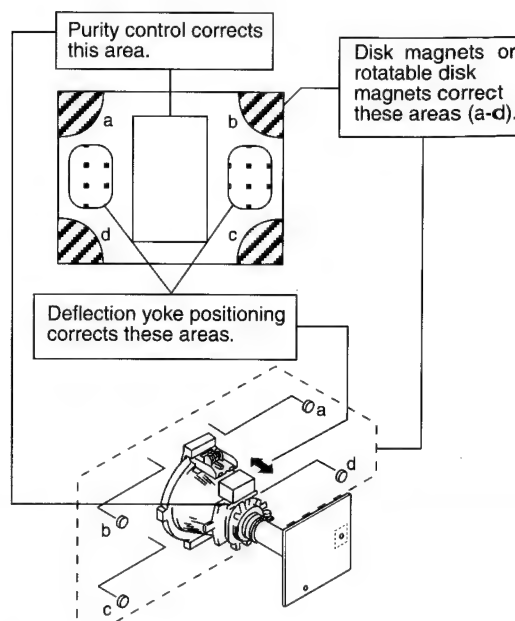
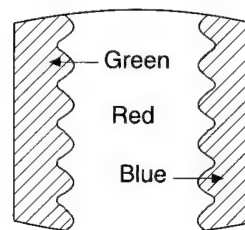


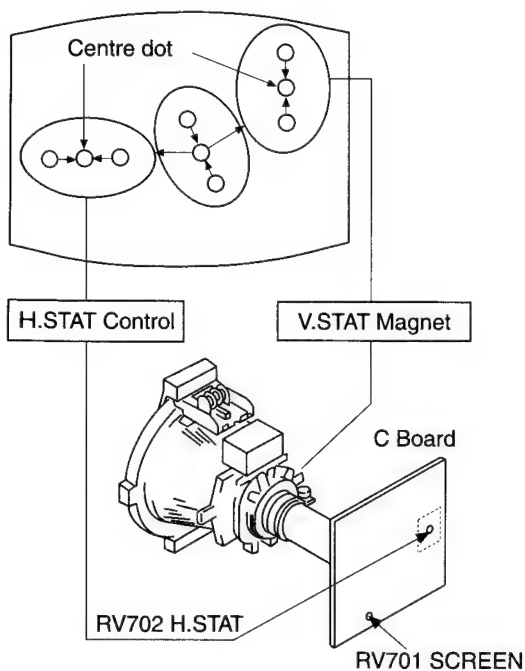
Fig. 3-4

3-2. CONVERGENCE

Preparation:

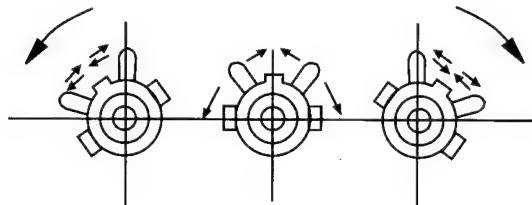
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide a dot pattern.

(1) Horizontal and vertical static convergence

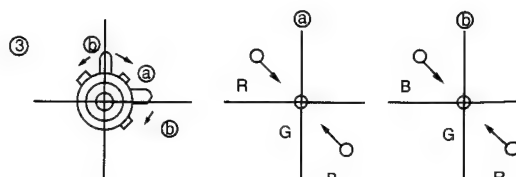
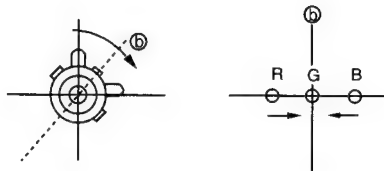
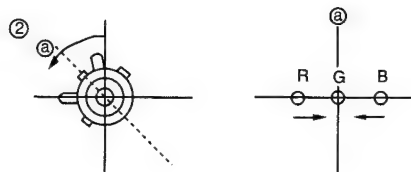
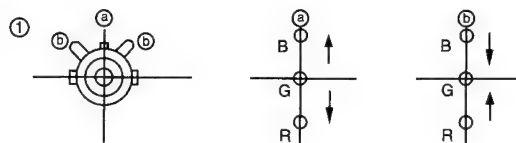


1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the centre of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the centre of the screen.
3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the centre of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below.
(In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

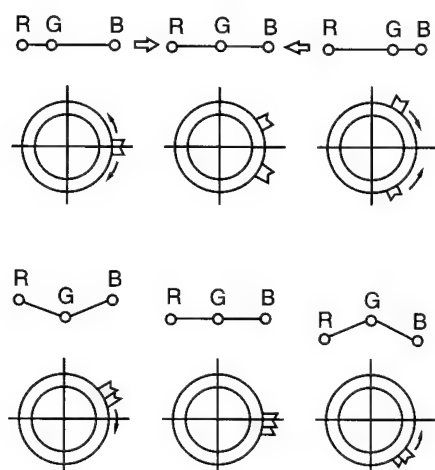
- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.



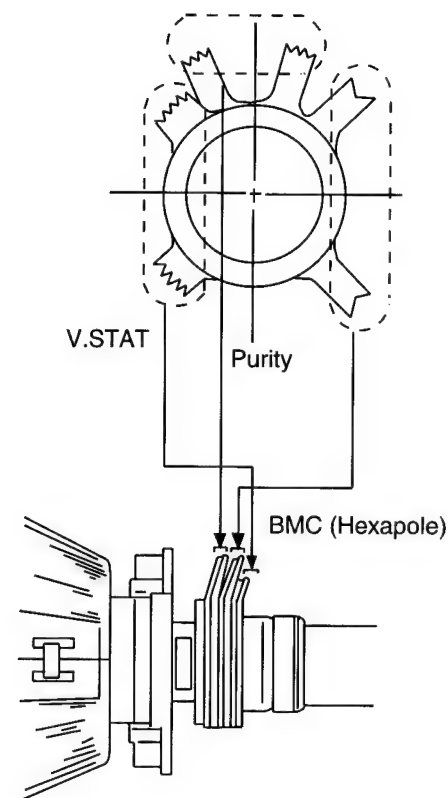
4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.



- Operation of BMC (Hexapole) Magnet



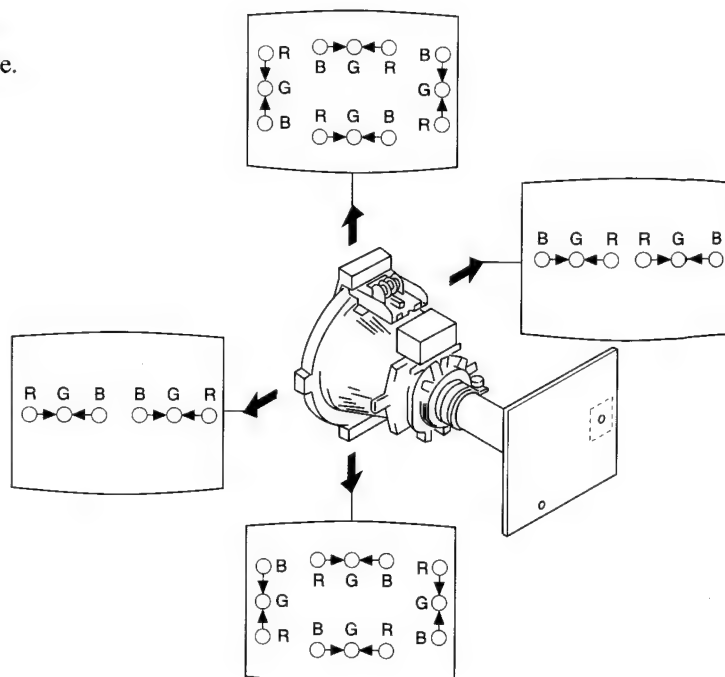
- The respective dot position resulting from moving each magnet interact, so be sure to perform adjustment while tracking.
Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the centre of the screen (by moving the dots in the horizontal direction).



(2) Dynamic convergence adjustment.

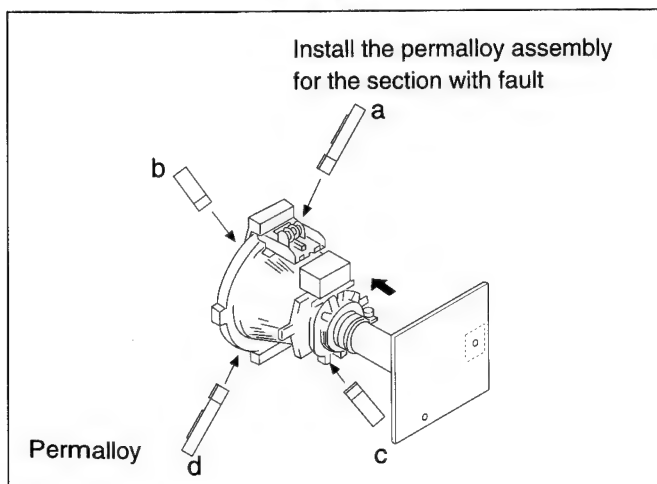
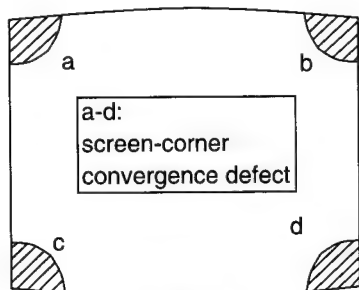
Preparation:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- Slightly loosen the deflection yoke screws.
 - Remove the deflection yoke spacer.
 - Move the deflection yoke as shown in the figure below and optimize the convergence.
 - Tighten the deflection yoke screws.
 - Re-install the deflection yoke spacer.

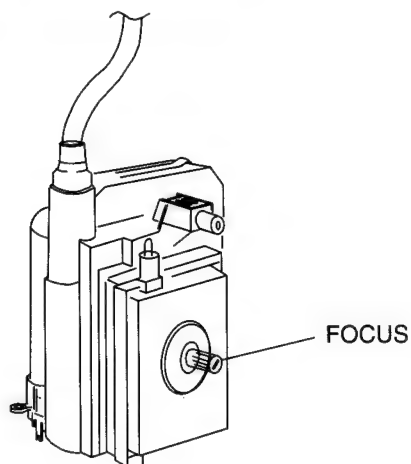


(3) Screen corner convergence.

If you are unable to adjust the corner convergence properly, correct them with the use of permalloy assemblies.

**3-3. FOCUS**

Adjust the focus to optimize the screen.

**3-4. WHITE BALANCE****Screen G2 Setting**

1. Input the dot signal from the pattern generator.
2. Set the picture brightness control to its lowest level.
3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
4. While watching the picture, adjust G2 control RV701 (Screen) to the point just before the return lines disappear.

White balance adjustment

1. Receive an all-white signal.
2. Enter into service mode. (Refer to the section 4 "Electrical Adjustment" on how to enter service mode.)
3. Select TDA8366 1 on menu.

DEVICE : TDA8366 1

STAT : 12

☐ NEXT
☐ PREVIOUS
☐ OK

USE COLOUR KEYS
 SONY TEST MENU.

4. Press the White button on the Remote Commander to enter into the device Menu.
5. Press the Red button 10 times "Next" "Next" "Next" to select HWB RED, adjust to 32.
6. Press the Red button to select HWB GREEN, adjust with the + and - menu buttons so that the white balance becomes optimum.
7. Press the Red button to select HWB BLUE, adjust with the + and - menu buttons so that the white balance becomes optimum.
8. Press the TV button twice on the Remote Commander to store the data and return to TV operation.

SECTION 4

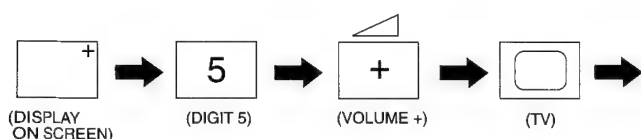
CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander RM-833.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set and enter into standby mode.
2. Press the following sequence of buttons on the Remote Commander.



“TT” will appear in the top right corner of the screen. Other status information will also be displayed.

3. Press the MENU button on the Remote Commander to obtain the menu on the screen.

DEVICE NAME

STAT : xxxx

☐ NEXT

☐ PREVIOUS

☐ OK

USE COLOUR KEYS
SONY TEST MENU.

4. Press the Red (Next) and Green (Previous) buttons to select the device corresponding to the adjustment item from the table. Then press the White button (OK).

DEVICE NAME

00 ADJUSTMENT : xxx

☐ NEXT

☐ PREVIOUS

SELECT COL.BUTTON
CHANGE BY MENU +/-

5. Press the Red (Next) or Green (previous) buttons to select the adjustment item. Then press the and buttons to change the data to comply with each standard.
6. Turn off the power to quit the service mode when adjustments are completed.

Initial Conditions for setup of TDA8366, TDA6612 and SAA7283.

TDA8366 1	INIT VALUE	TDA8366 2	INIT VALUE
Hue	31	Interlace	00
H Shift	Adj	Sync Mode	00
H Size	Adj	Col Dec	00
Pin Amp	Adj	Vert Div	00
Corn Pin	Adj	Vid ID	00
Tilt	Adj	EHT Track	01
V.Linear	Adj	En V Grd	00
V.Size	Adj	Serv Blk	00
S.Corr	Adj	OVP Mode	00
V.Cent	Adj	Aspect R	00
HWB Red	Adj	Start Freq	00
HWB Green	Adj	Y/C Input	00
HWB Blue	Adj	PAL/NTSC	00
Peaking	8	Xtal PLL	00
Bright	32	Y Delay	07
Colour	32	RGB Blk	00
Picture	37	Noise Cor	00
AGC Set	00	Fast Blk	01
Srce Sel 1	00	AFC Wind	00
Srce Sel 2	00	IF Sensy	00
Time Con	03	Mod Std	00
Xtal Ind	03	Vid Mute	01
FF Freq	02		

TDA6612	INIT VALUE	TDA6612	INIT VALUE
MPX Per	00	Mute 2	01
Quasi St	00	C1/2LS	00
Bass Exp	00	C1/2KH	00
H Pulse	00	Mono	01
Matrix St	00	Scart	00
Bypass	00	Scart D	00
Vol L Sp	07	AM	00
Vol R Sp	07	SAA7283	INIT VALUE
Vol HP	00	Mon M1/M2	01
PlI Sync	00	DM Select	01
Mute 3	01	SSWIT 123	07
Treble	08	Port 2	00
Bass	09	Mute Def	00
X Talk Adj	Adj	AMDIS	00
Mute 1	00	E Max	80
		E Min	01

4-2. TEST MODE 2 :

Is available by pressing Test button twice, OSD 'TT' appears. The functions described below are available by pressing the two numbers. To release the Test Mode 2, press 0 twice, or switch the TV into Stand-by Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Ageing Condition (Volume min., Picture max., Brightness max.)
08	Shipping Condition (Analog Values are RESET due to factory setting, Prog 1 is selected, TT Mode is switched off)
09	"Menu" Flag request
10	Tenth entry is deleted
11	dummy
12	dummy
13	dummy
14	Forced AV 16:9 detection on/off
15	Read factory setting from NVM Reads Volume, Balance, Treble, Bass, Brightness, Contrast, Hue, Sharpness, Colour values from ROM to the actual used values (Last Power Memory)
16	Save actual used values as RESET values Memorize actual used values Balance, Treble, Bass, Hue, Sharpness at RESET position in NVM.
17	Preset Label for AV Sources
18	RGB Priority on/off
19	Clear all preset labels
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24	Set destination = U RGB Priority = Off
25	Set destination = D RGB Priority = Off
26	Set destination = B RGB Priority = On
27	Set destination = K RGB Priority = Off
28	Set destination = L RGB Priority = Off
29	Set destination = E RGB Priority = Off

30	Tenth entry is deleted
31	Set Destination = A RGB Priority = On
32	dummy
33	Auto AGC
34	N/S Pin Adjust
35	Manual AGC Adjust
36	dummy
37	dummy
38	To Activate Rotation Coil Adjustment
39	'Check Rotation Coil Adjustment
40	Tenth entry is deleted
41	Re-initialise NVM
42	Production use only
43	Initialise Geom Settings
44	Initialise all favorite pages = 100
45	Channel locks = off
46	IR Channel Presetting Mode The channel presetting can be done by a Special IR Transmitter (Ver 2 and above software only)
47	dummy
48	Set NVM testbyte to 44h
49	Erase the NVM Testbyte (this byte detects already stored NVM's) After selecting this function, switch TV Off and On -> the NVM will be preset by μ -Controller.

In Test Mode the Menu display is switchable by the Speaker-Off button.

Note : For Test Modes 41 - 49 it is necessary to ensure that the TV is set to Prog 59.

SUB BRIGHTNESS ADJUSTMENT

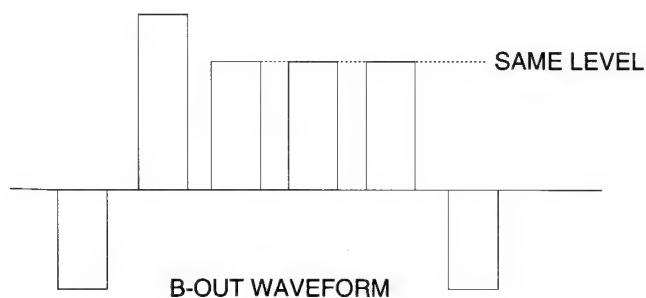
1. Input a Phillips pattern.
2. Enter into service mode and press 23.
3. Adjust data so that 0-IRE of grey scale and CUT-OFF 20-IRE are only slightly visible on screen.

SUB CONTRAST ADJUSTMENT

1. Input a video that contains a small 100% area on a Black Background.
2. Enter into service mode and press 01 to have PIC max followed by 21.
3. Connect oscilloscope to pin ① of CN703 (R OUT) and adjust HWB Red data of TDA8366 1 to obtain 2.3Vp-p.

SUB COLOUR ADJUSTMENT

1. Input a PAL colour bar signal.
2. Connect an oscilloscope to pin ③ of CN703 (B OUT) on the C Board.
3. Enter into service mode and press 22.
4. Adjust data so that the right sides of the waveform are set to the same level.

**STEREO SEPARATION ADJUSTMENT**

1. Input a 1KHz stereo signal to the L-ch and a 400Hz stereo signal to the R-ch.
2. Enter into service mode and select the "Test Menu" to be TDA6612.
3. Select the Stereo Xtalk Adjustment Menu, by using the Red (Next) and Green (Previous) buttons.
4. Monitor the Scart 1 L-channel output and adjust the data so that the R-channel sound is not detected in the L-channel.

I.F. COIL ADJUSTMENT

1. Apply a 38.9MHz signal at 100dBuV to the input of SWF101.
2. Receive a channel so that the I.C. is selected for negative modulation.
3. Measure the voltage at the AFT test point and adjust (T101) to obtain 2.4V +/- 0.2V.

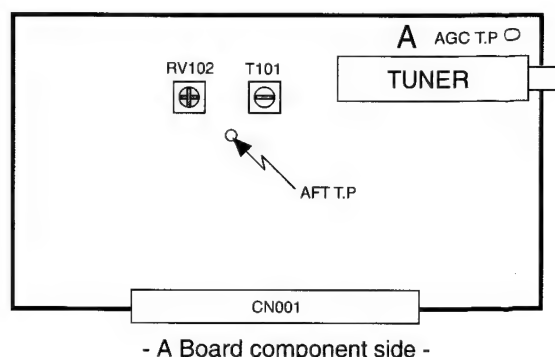
L, BAND 1 ADJUSTMENT (RV102) - L, STANDARD FOR FRENCH MODELS.

1. Apply a 33.95MHz signal at 100dBuV to the input of SWF101.
2. Receive a channel so that the I.C. is selected for positive modulation and system L band 1.
3. Measure the voltage at the AFT test point and adjust (RV102) to obtain 2.4V +/- 0.2V.

Note : Only adjust RV102 after T101 has been correctly adjusted.

AGC ADJUSTMENT

1. Receive an off- air signal.
2. Enter the service mode, ("Test" "Test") and 35.
3. Adjust the data so that there is no snow or cross - modulation visible on the screen.
4. Change the receiving off-air channel, and confirm the above status.

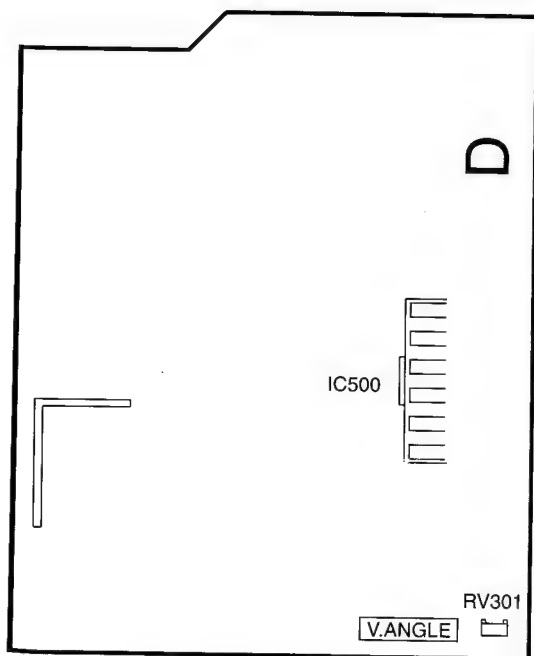


DEFLECTION SYSTEM ADJUSTMENT

1. Enter into service mode.
2. Select and adjust each item in order to obtain the optimum image.

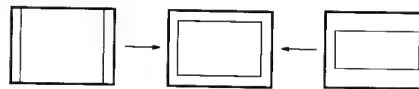
Item No	Adjustment item.	Data Amount
03	H SHIFT	ADJ.
04	H SIZE	ADJ.
05	PIN AMP	ADJ.
06	CORR PIN	ADJ.
07	TILT	ADJ.
08	V LINEAR	ADJ.
09	V SIZE	ADJ.
0A	S CORR	ADJ.
0B	V CENTER	ADJ.

Note : V ANGLE is adjusted by a Variable Resistor on the 'D' Board (RV301)

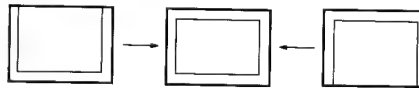


- D Board Component Side -

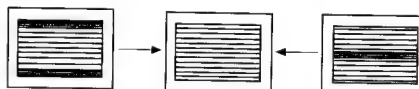
V SIZE



V CENTER



S CORR



V LIN



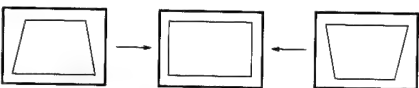
H SIZE



PIN AMP



TILT



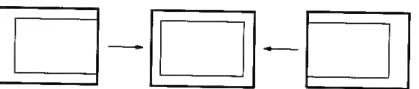
CORR PIN



V ANGLE



H SHIFT



4-3. BE-3B SELF DIAGNOSTIC SOFTWARE

The identification of errors within the BE-3B chassis is triggered in 1 of 2 ways :- 1: Bus busy or 2: Device failiure to respond to IIC. In the event of one of these situations arrising the software will first try to release the bus if busy (Failiure to do so will report with continous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the led (Series of flashes which must be counted) See Table 1., on fatal errors are reported with this method.

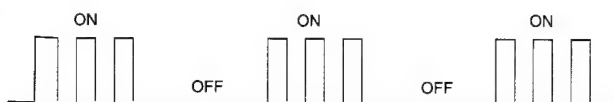
If a fatal error is found the set will simply stay in whichever state it was when the error ocured, but if a non fatal error occurs the set will try to continue operation.

Table 1

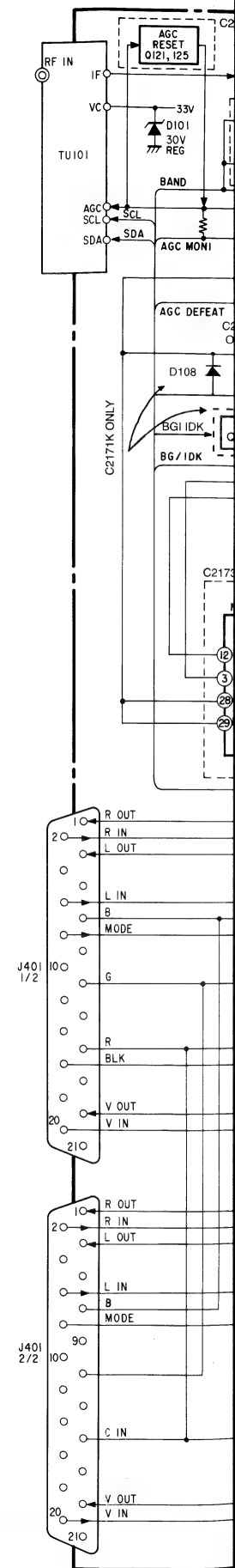
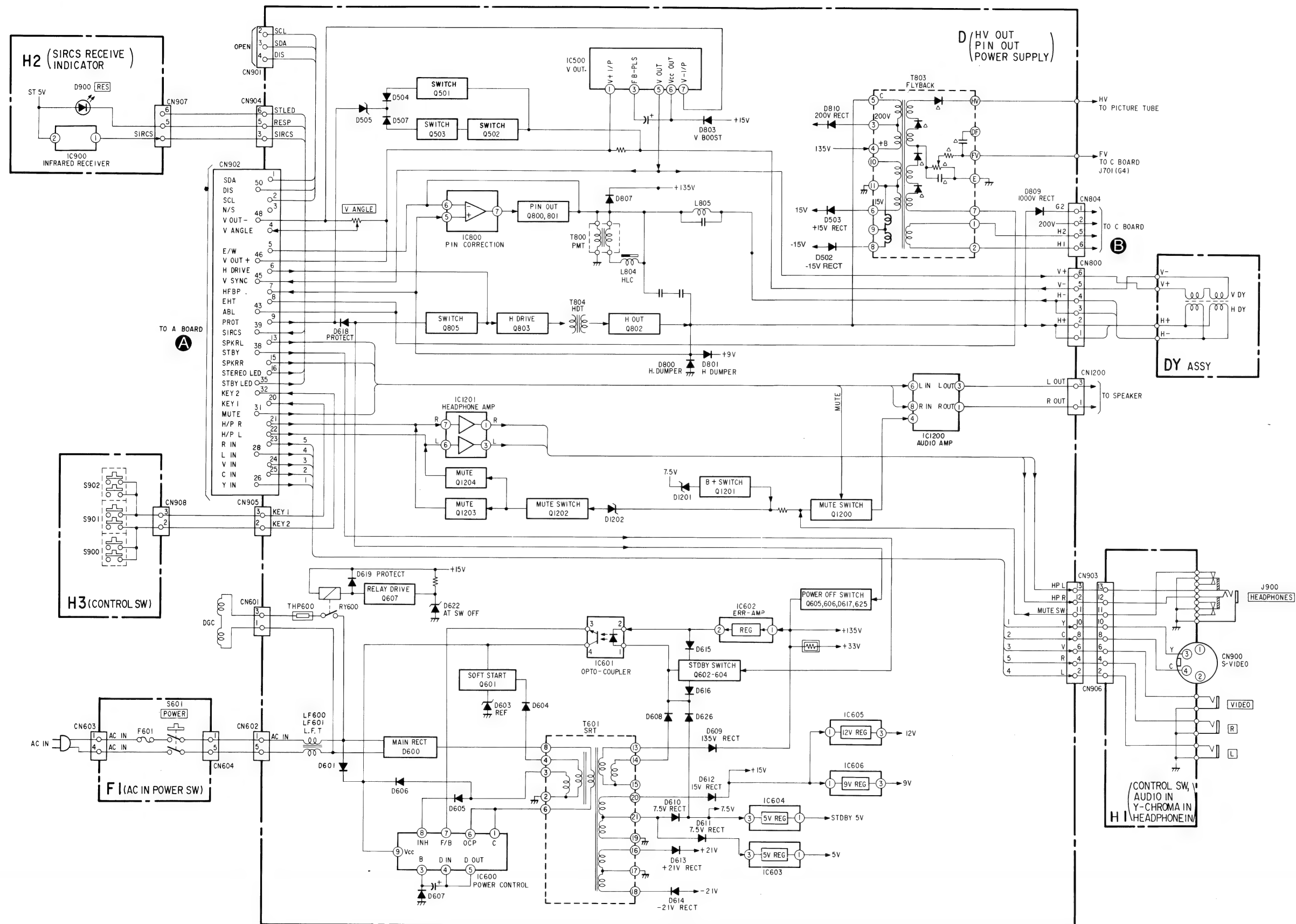
Device	LED Error Count	Fatal Error
NVM	2 .. 9	√
Teletext	10	
Jungle	11	√
Video_sw	12	
Tuner	13	√
Nicam	14	
Audio_cont	15	√

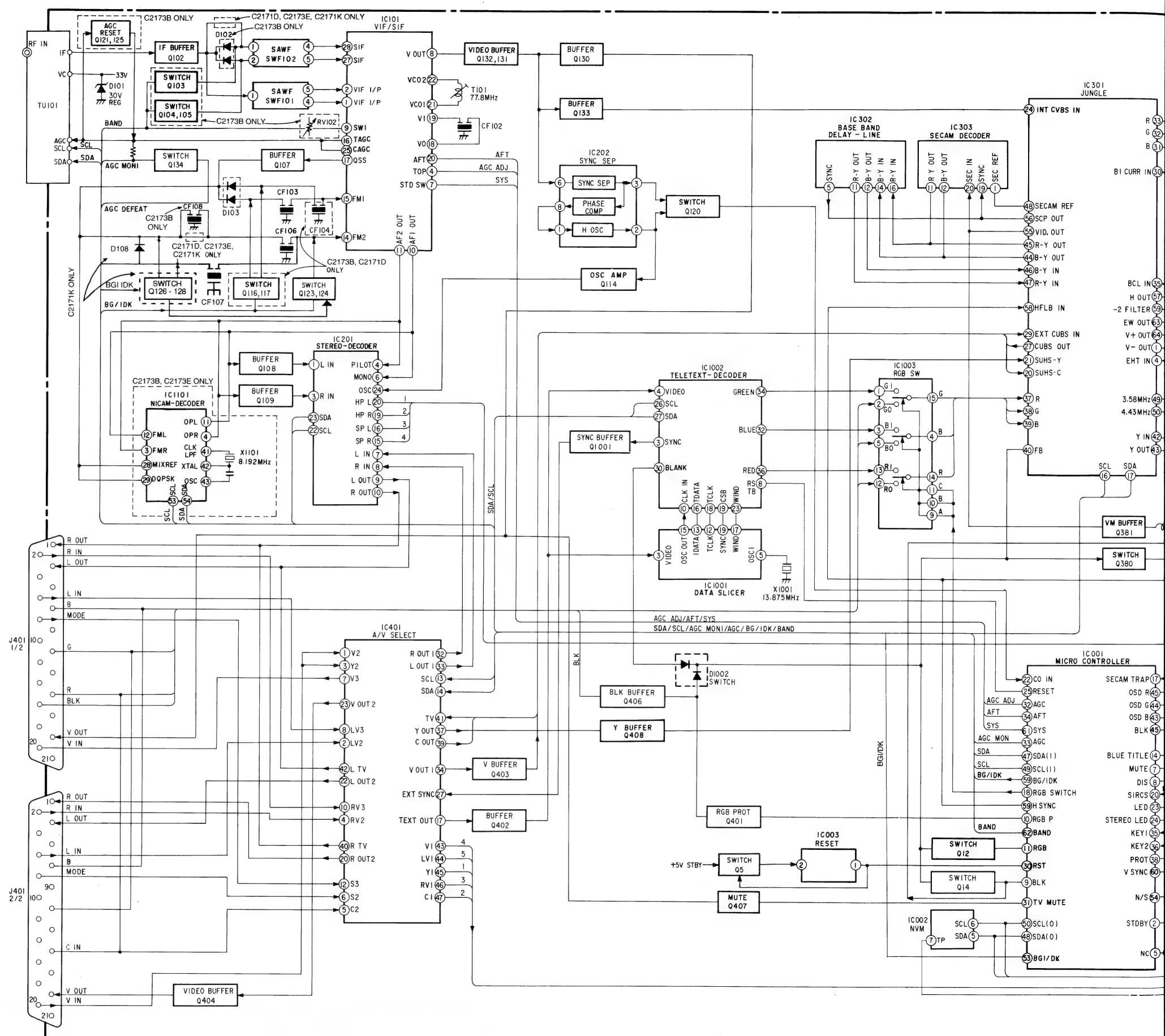
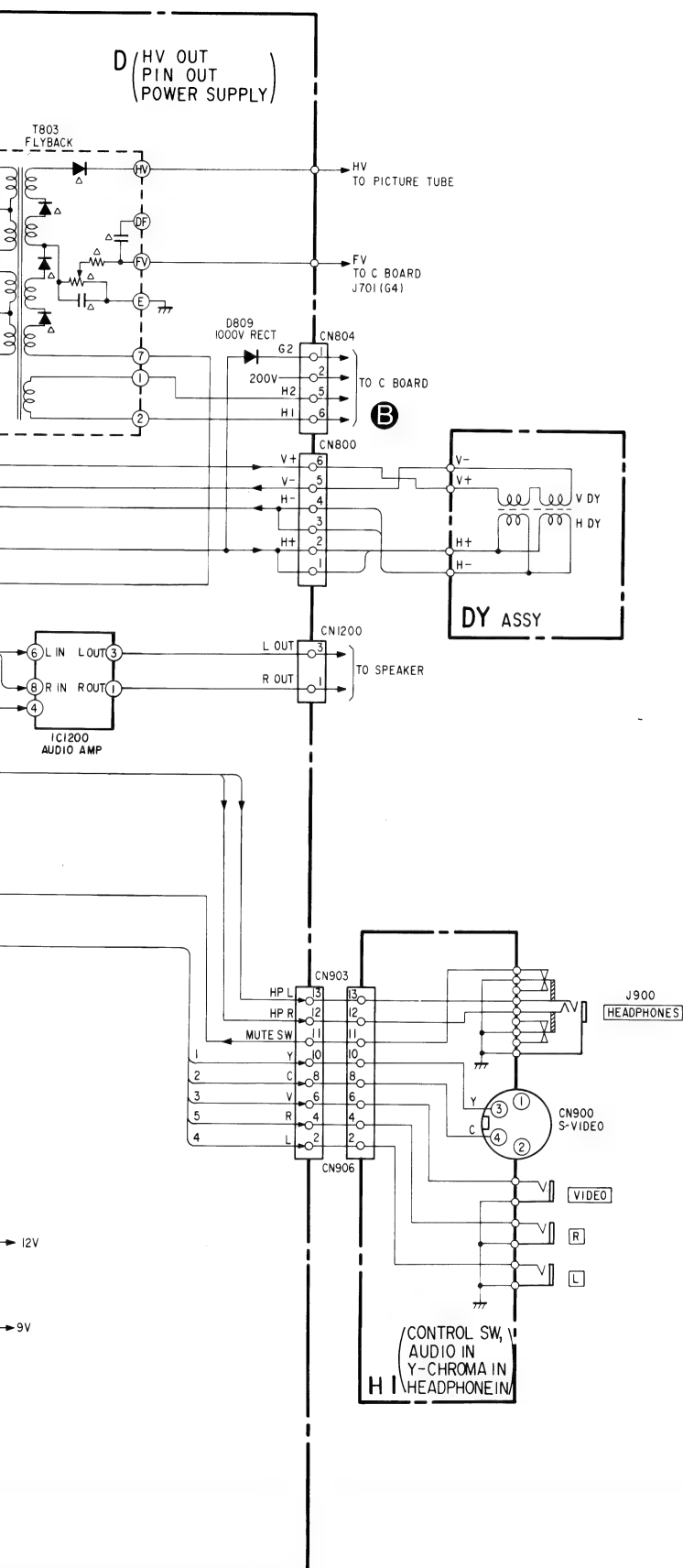
Flash Timing Example : e.g. error number 3.

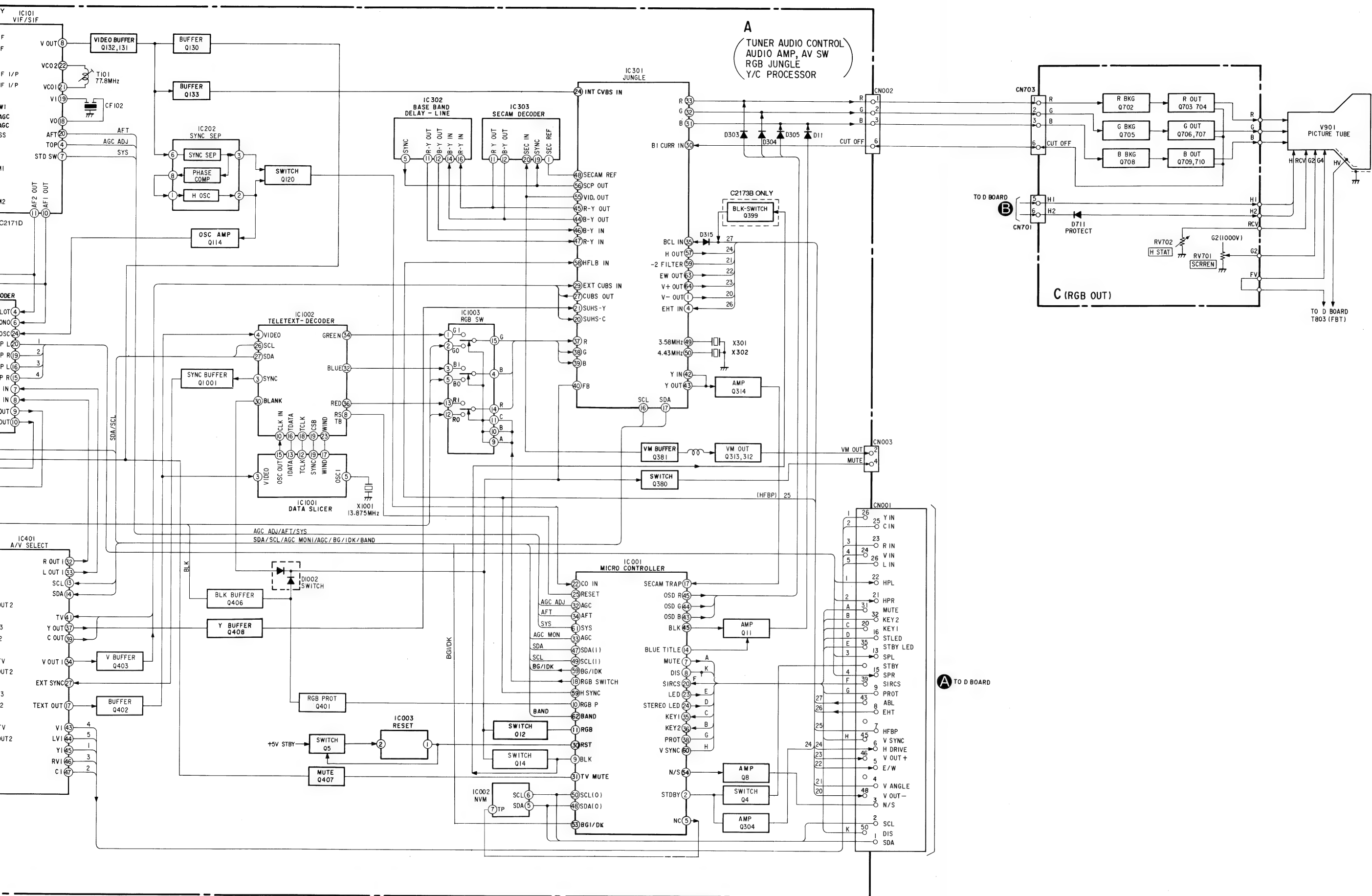
Stby LED



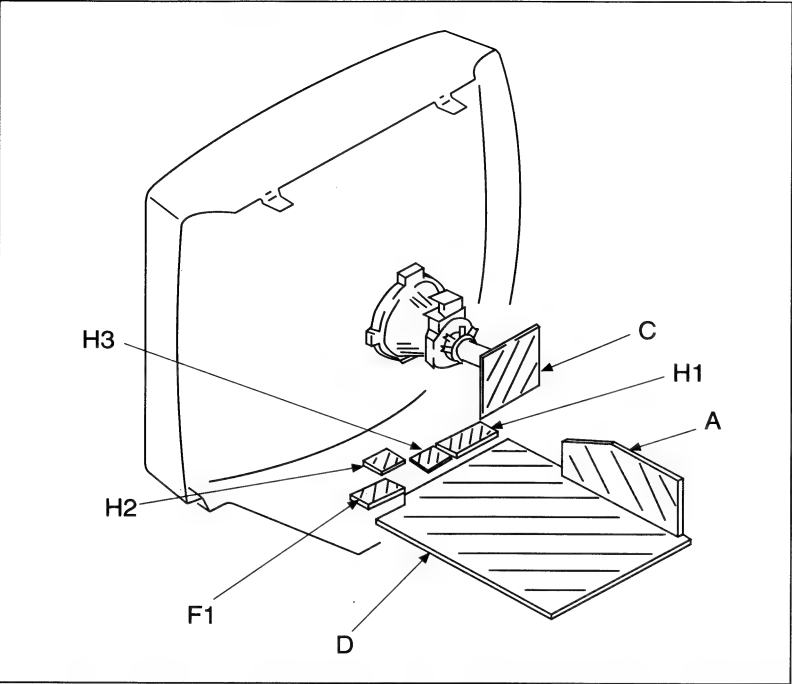
5-1. BLOCK DIAGRAM







5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
k = 1000 , M = 1000K
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm
Rating electrical power $\frac{1}{4}$ W

- : nonflammable resistor.
- : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- \perp : earth - ground.
- /// : earth - chassis.
- ## : no mounted.

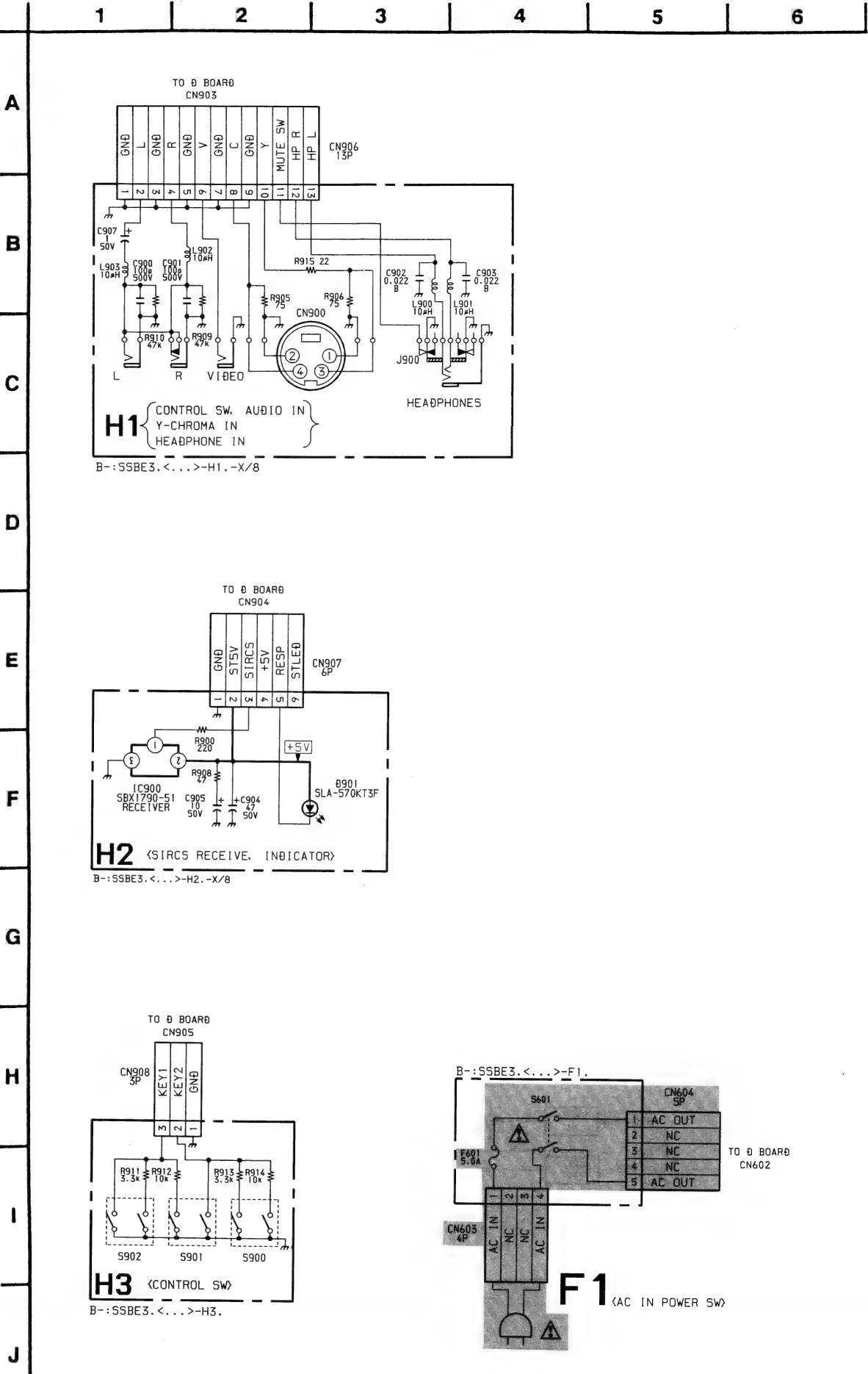
Note : The components identified by shading and marked are critical for safety. Replace only with the part number specified.

Note : Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

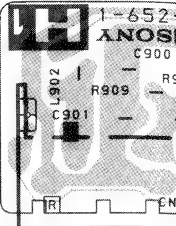
Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: X	ADJUSTABLE RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

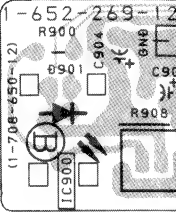
- Readings are taken with a colour-bar signal input.
- Readings are taken with 10M digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- : B+ bus.
- : signal path. (RF)



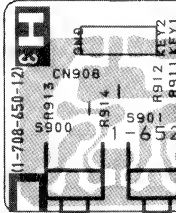
— H1 BOARD



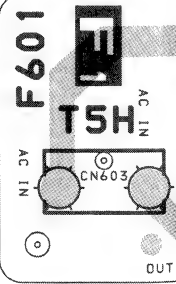
— H2 BOARD

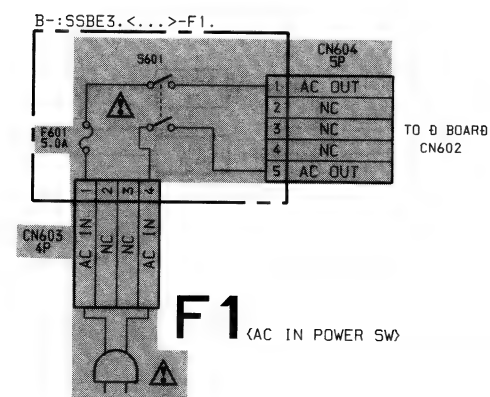
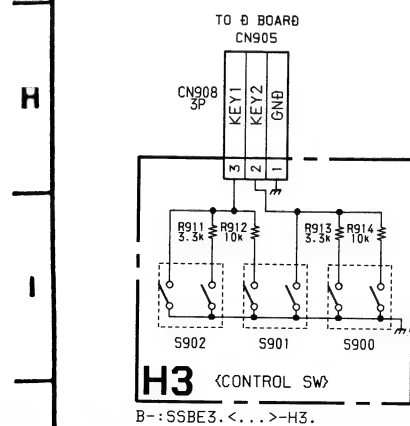
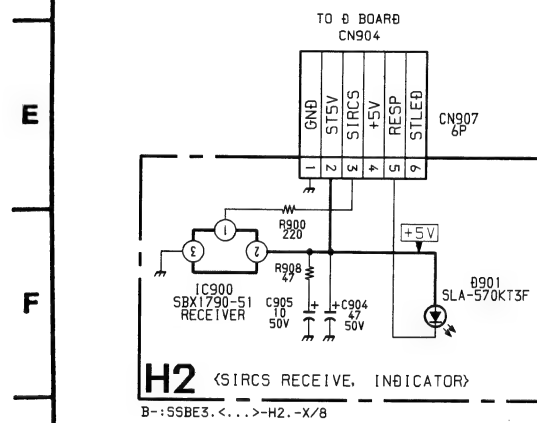
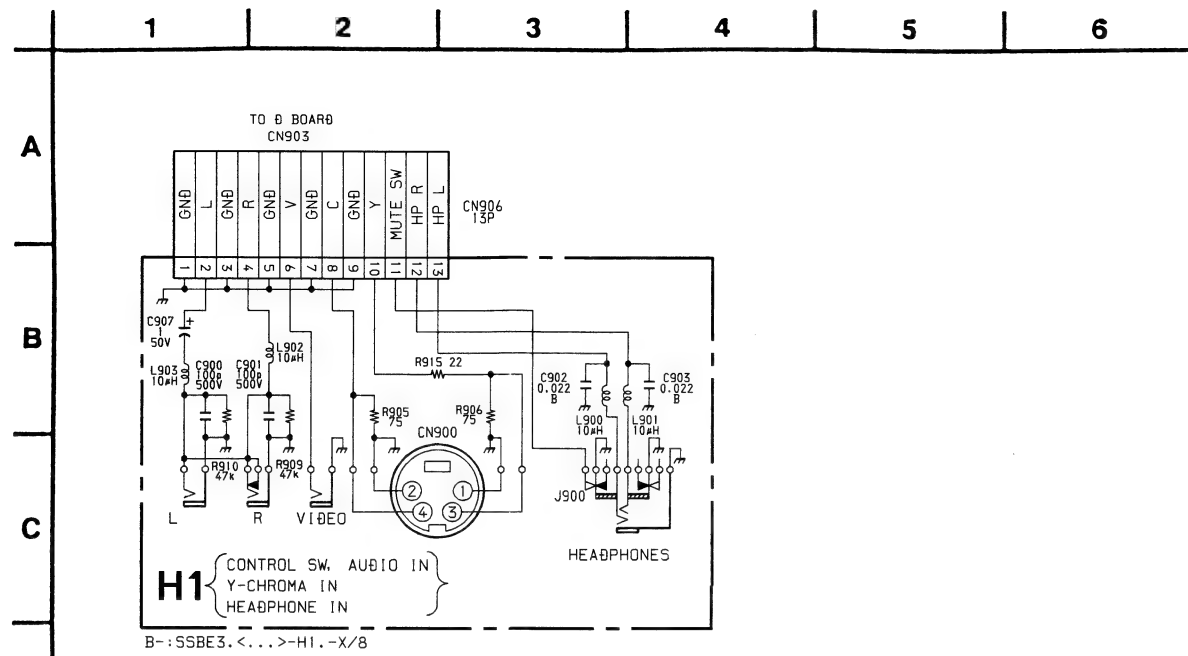


— H3 BOARD



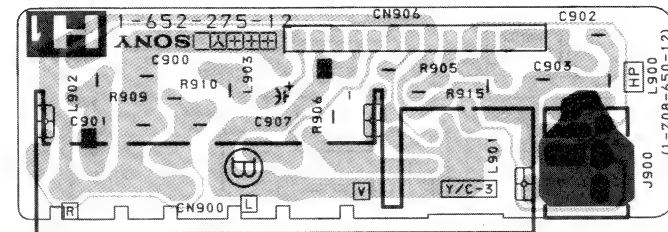
— F1 BOARD



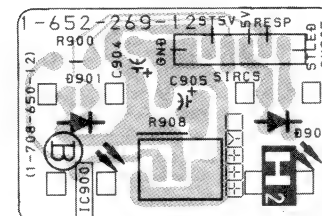


H1 [CONTROL SW, AUDIO IN
Y-CHROMA IN, HEADPHONE IN]

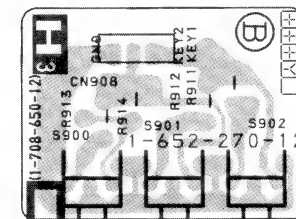
— H1 BOARD —



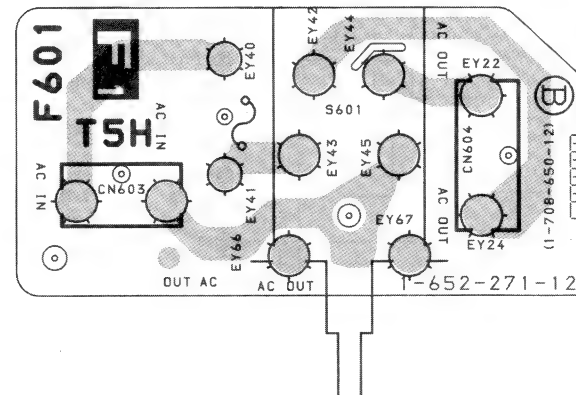
— H2 BOARD —



— H3 BOARD —



— F1 BOARD —

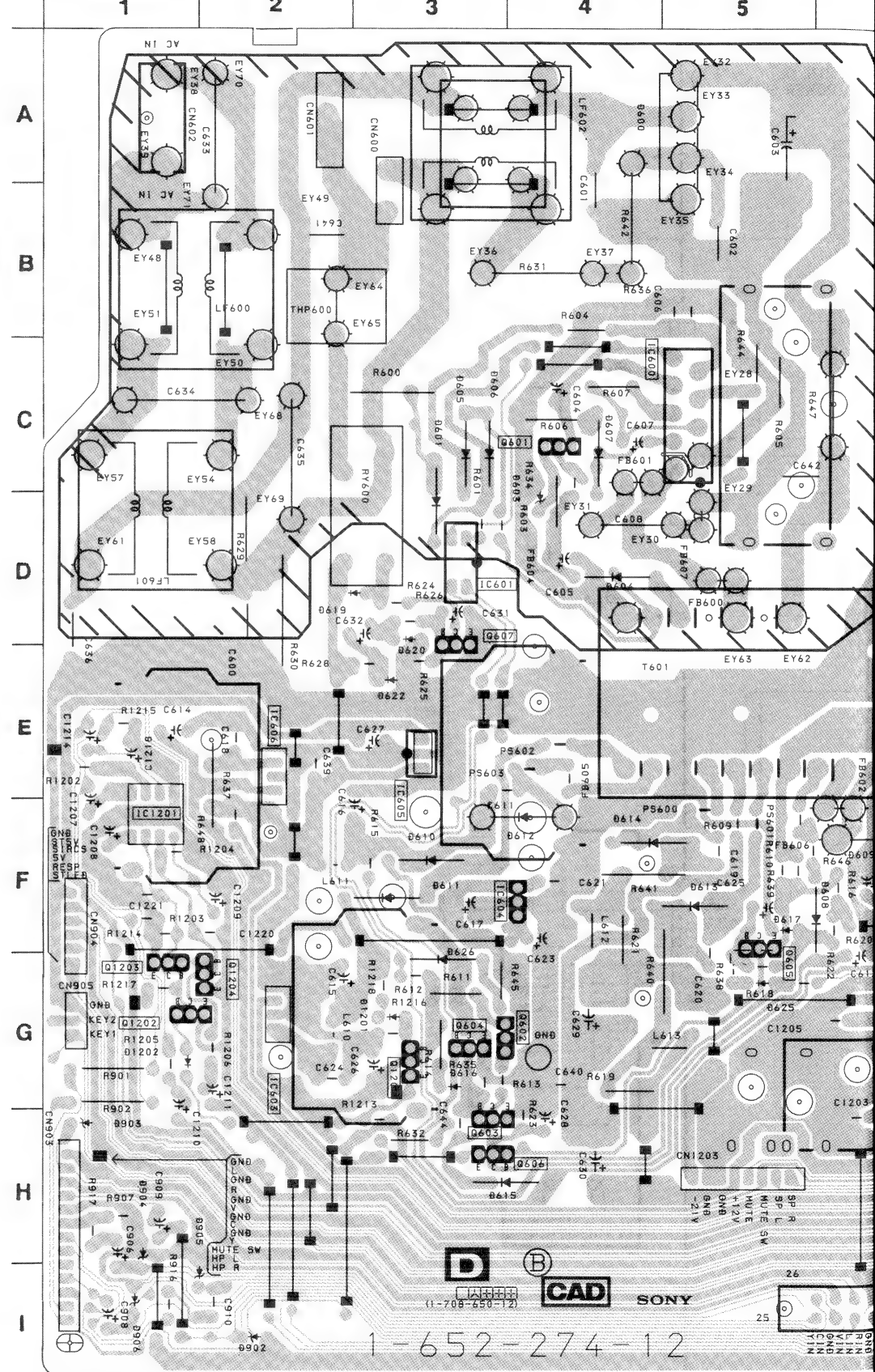


H3 [CONTROL SW]

F1 [AC IN POWER SW]

D HV OUT
PIN OUT
POWER SUPPLY

— D BOARD —



H2

SIRCS RECEIVE INDICATOR

H3

CONTROL SW

F1

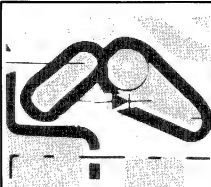
AC IN POWER SW

D

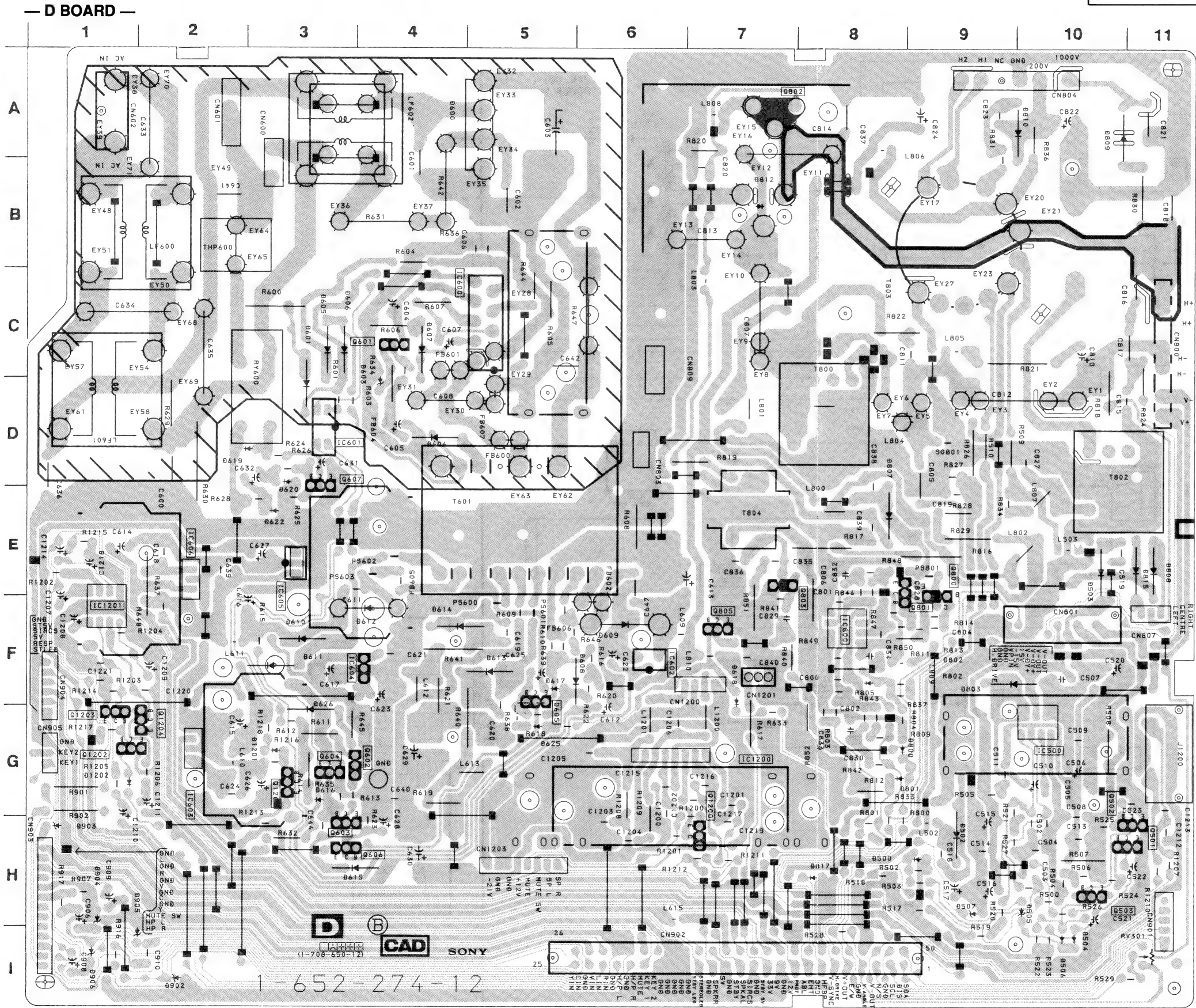
HV OUT PIN OUT POWER SUPPLY

KV-C217

KV-C217

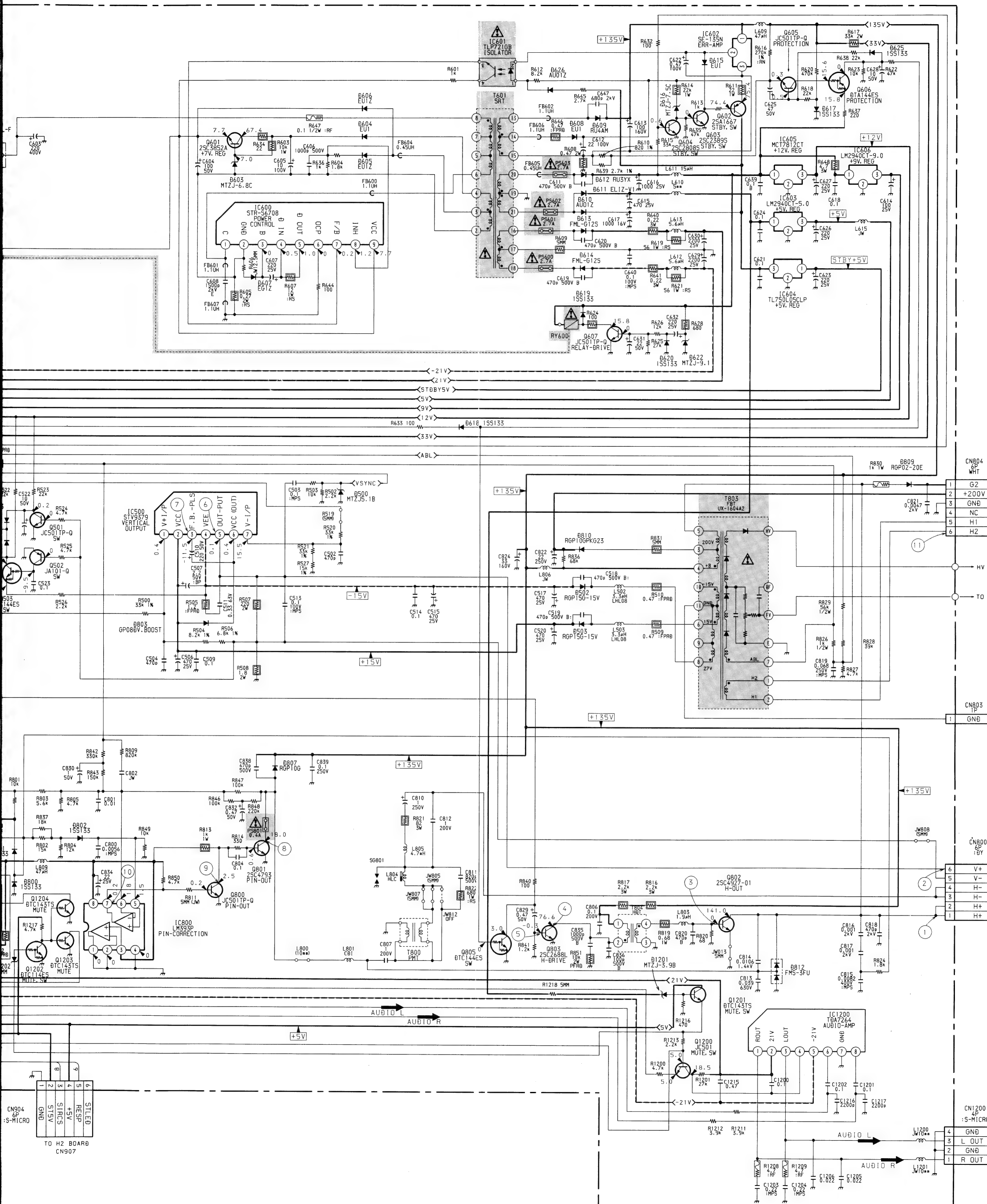


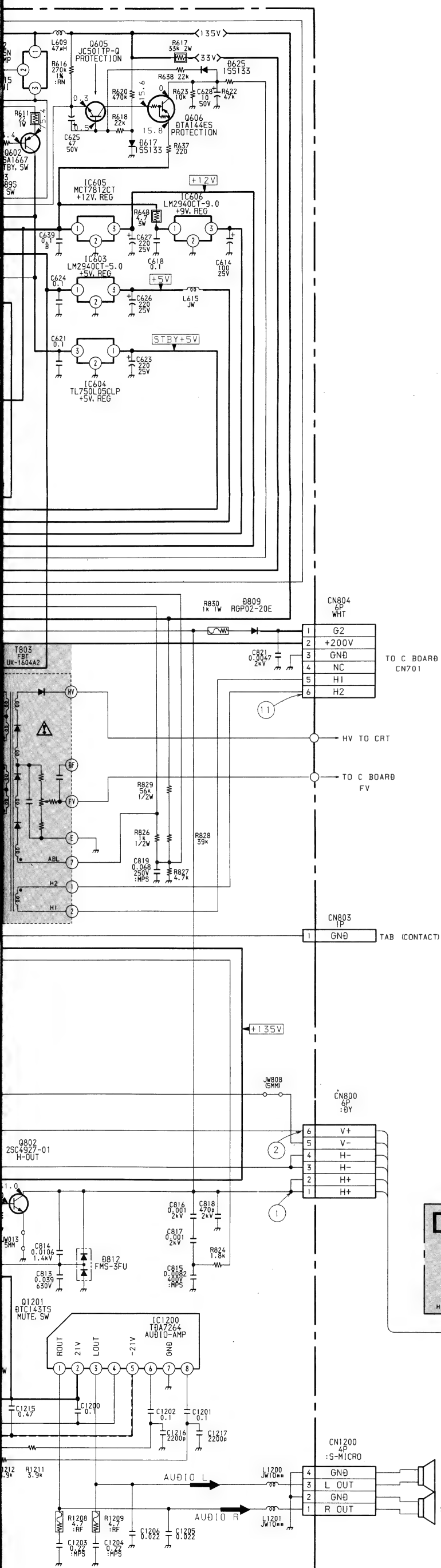
NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



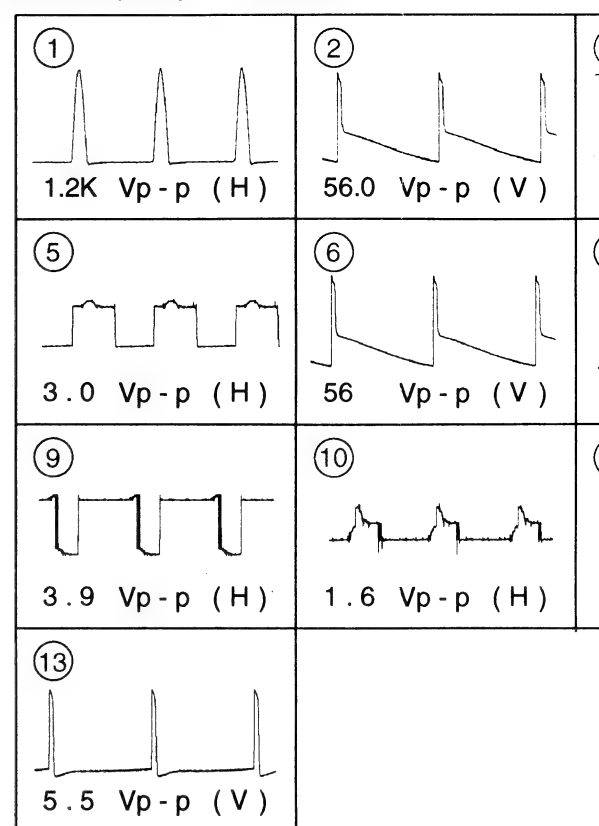
D BOARD

IC		
IC500	G-10	D600 A-4
IC600	C-5	D601 C-3
IC601	D-3	D603 D-4
IC602	F-6	D604 D-4
IC603	G-2	D605 C-3
IC604	F-4	D606 C-3
IC605	E-3	D607 C-4
IC606	E-2	D608 F-6
IC800	F-8	D609 F-6
IC1200	G-7	D610 F-3
IC1201	F-1	D611 F-3
TRANSISTOR		D612 F-4
Q501	H-11	D613 F-5
Q502	G-11	D614 F-4
Q503	H-11	D615 H-3
Q601	C-4	D616 G-3
Q602	G-4	D617 F-5
Q603	H-3	D618 F-7
Q604	G-3	D619 D-2
Q605	G-5	D620 E-3
Q606	H-4	D622 E-3
Q607	D-3	D625 G-5
Q800	E-9	D626 G-3
Q801	F-9	D800 G-9
Q802	A-7	D801 G-9
Q803	F-8	D802 F-9
Q805	F-7	D803 F-9
Q1200	H-7	D807 D-8
Q1201	G-3	D809 A-10
Q1202	G-1	D810 A-10
Q1203	G-1	D812 B-7
Q1204	G-2	D817 H-8
DIODE		D902 I-2
D500	H-8	D903 H-1
D502	H-9	D904 H-1
D503	E-10	D905 H-2
D504	I-10	D906 I-1
D505	H-10	D1201 G-3
D506	I-10	
D507	H-9	
VARIABLE RESISTOR		
RV301	I-11	

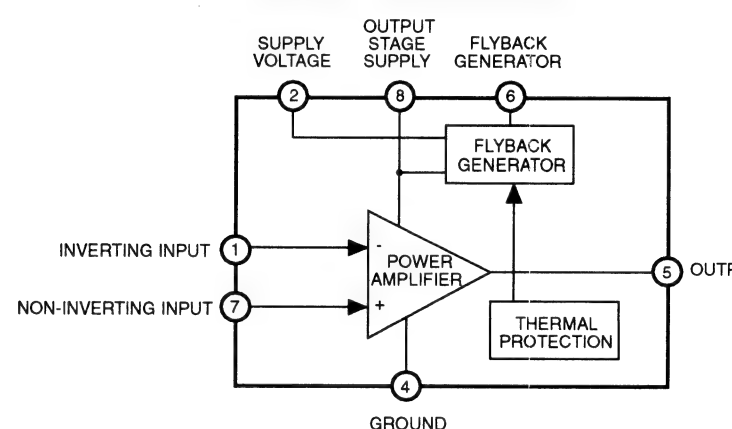




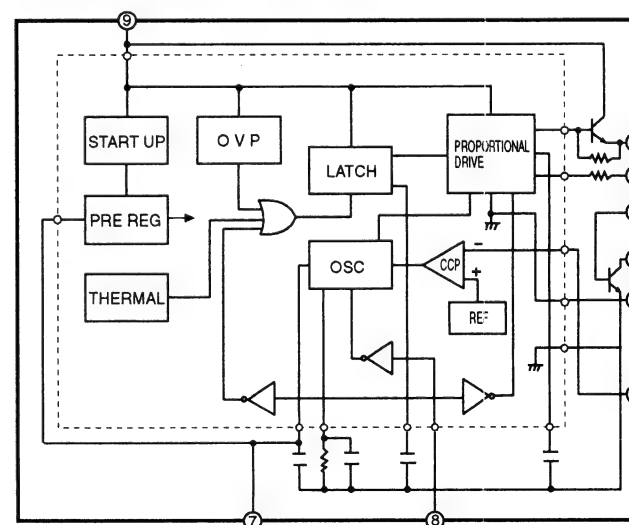
WAVEFORMS D BOARD



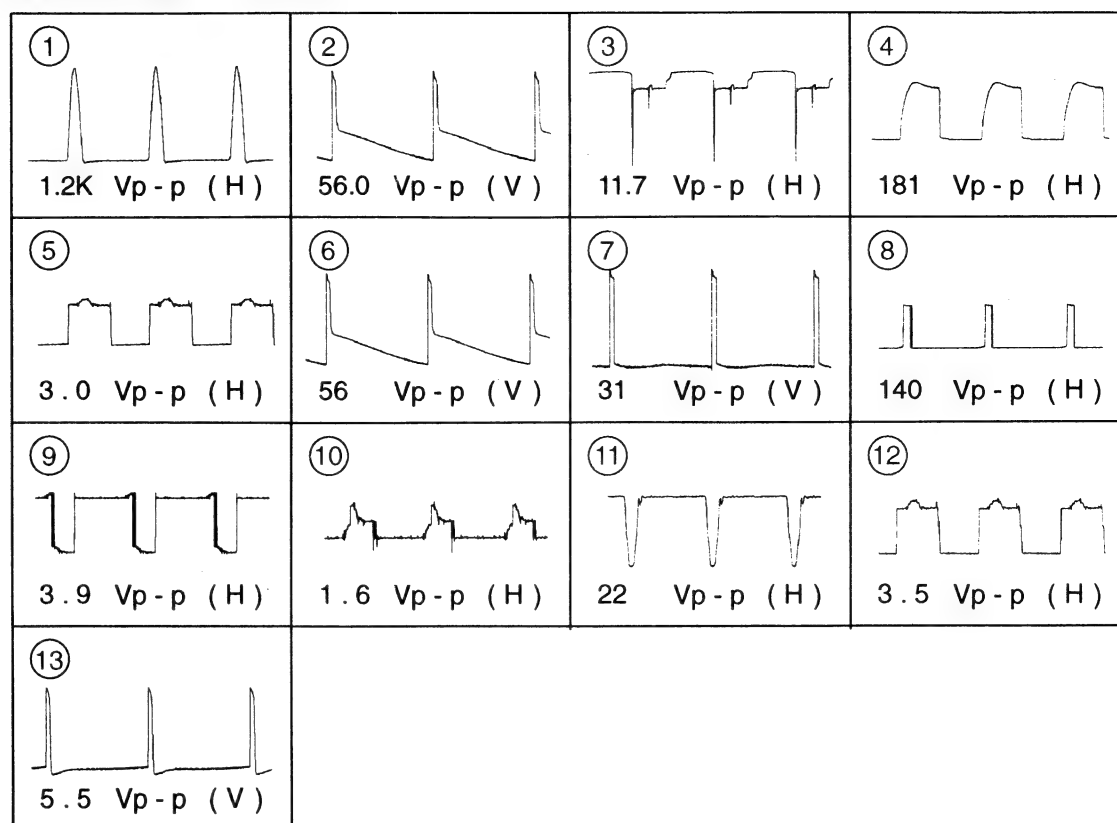
D BOARD IC500 STV9379



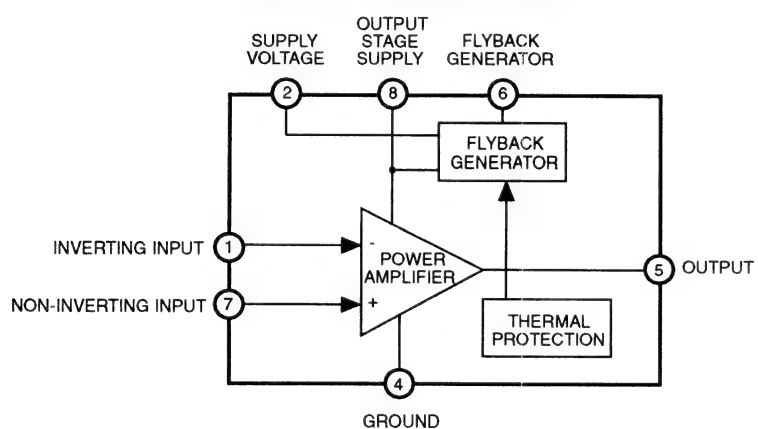
D BOARD IC600 STR-S6708



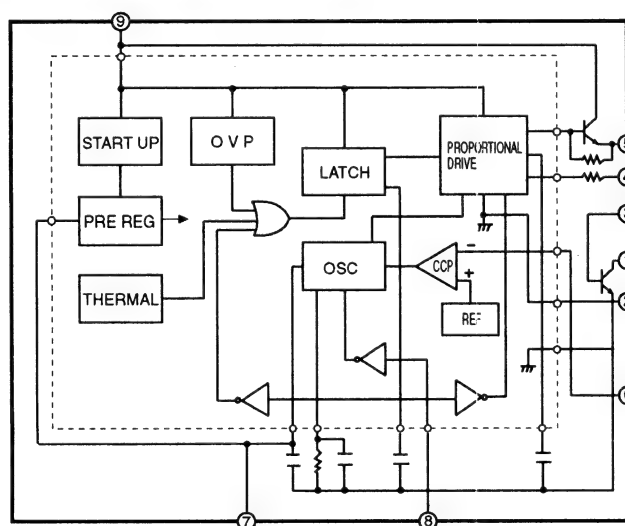
WAVEFORMS D BOARD



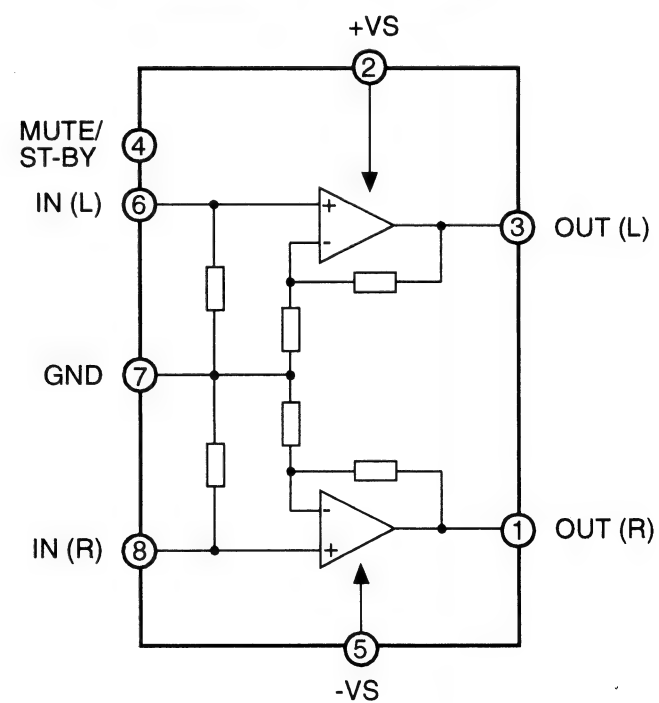
D BOARD IC500 STV9379

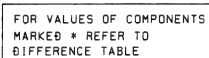


D BOARD IC600 STR-S6708



D BOARD IC1200 TDA7264

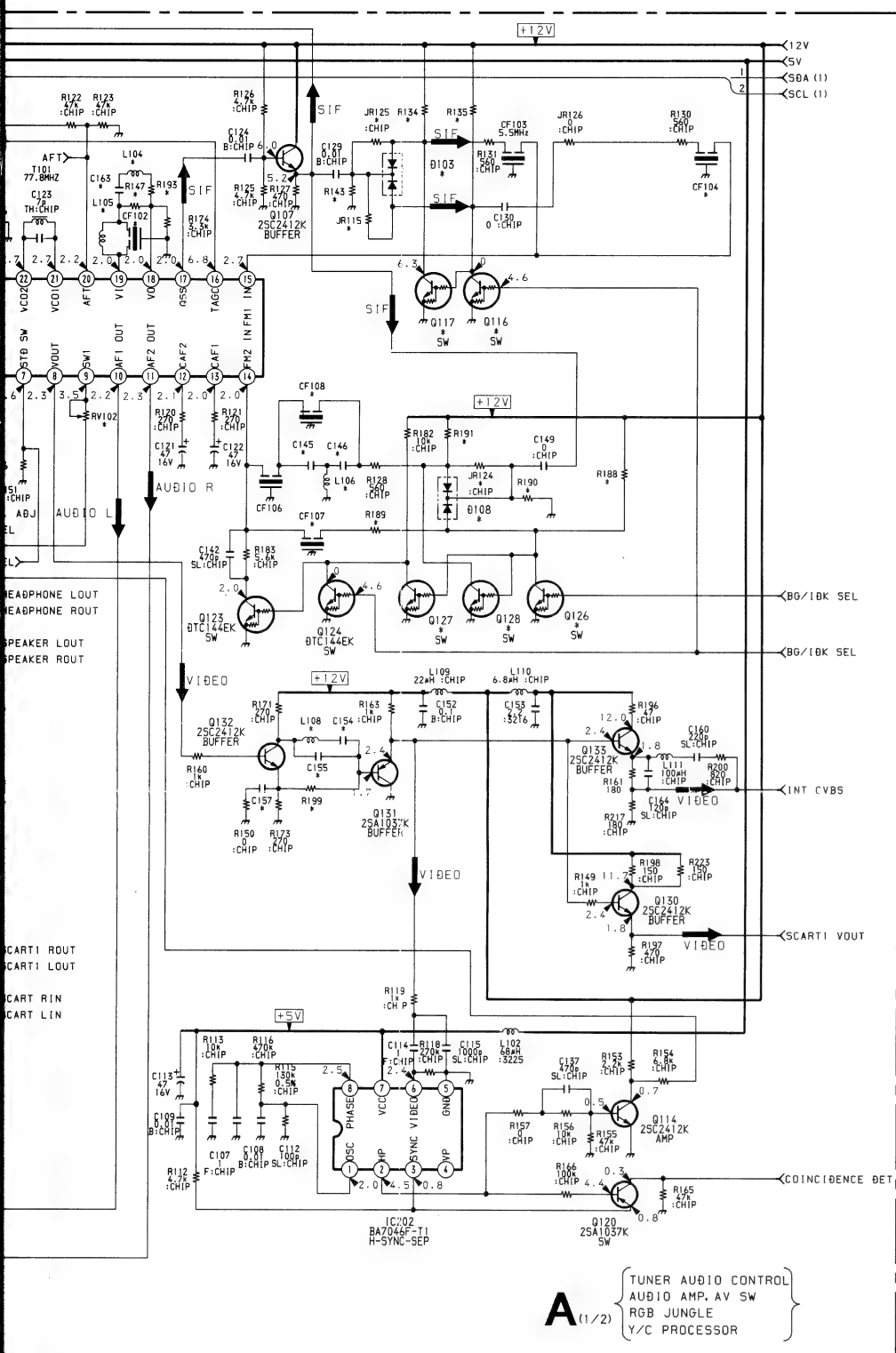




Voltages indicated with the mark * on the schematic diagram are shown in the table below.

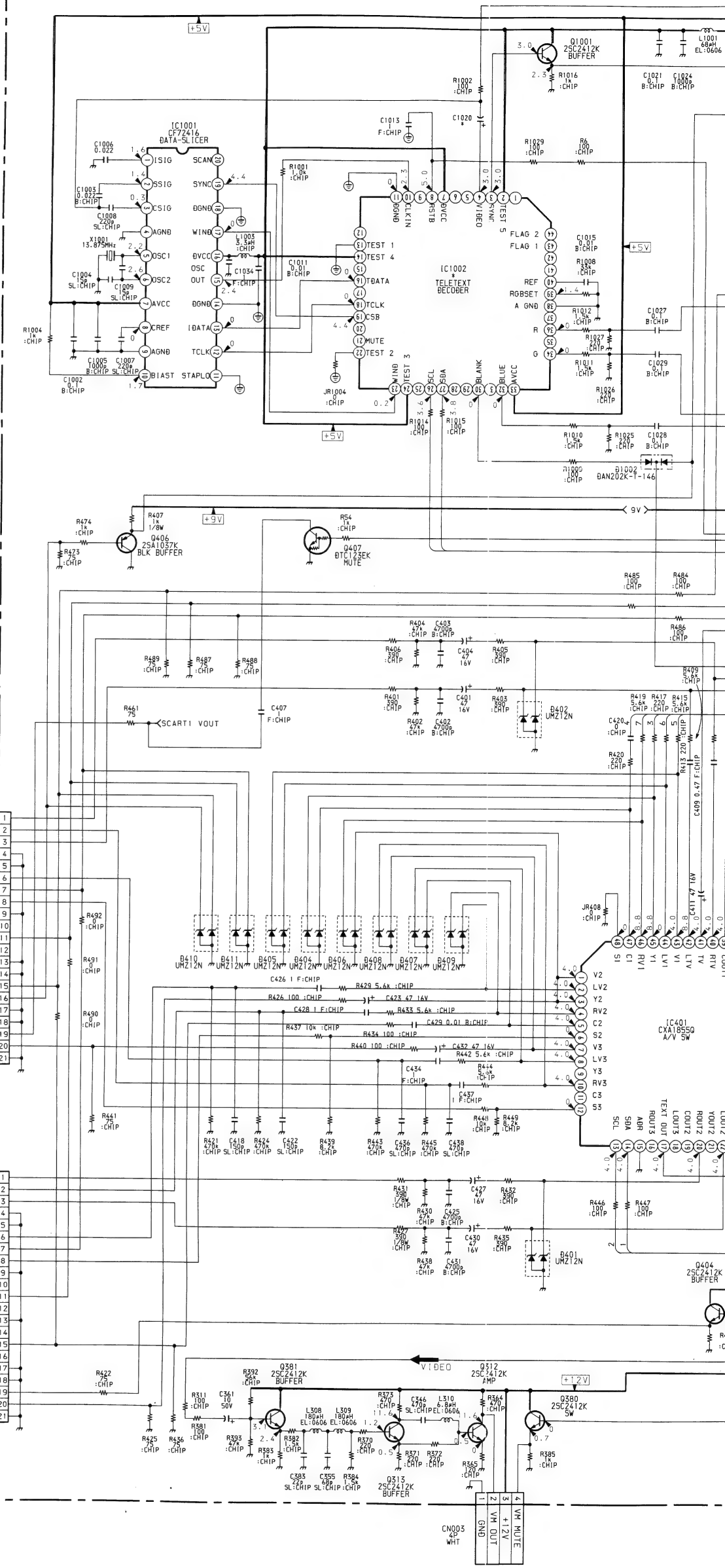
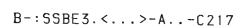
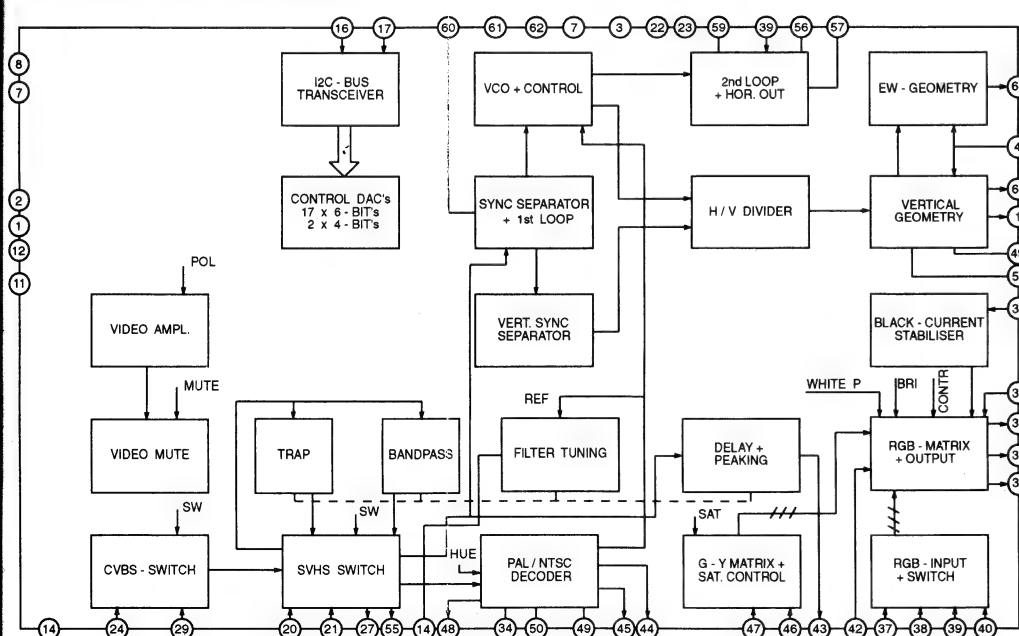
IC	Pin	PAL	SECAM	NTSC 3.58	NTSC 4.43
IC301	17	4.0	4.0	4.0	0
	35	3.6	2.5	3.5	3.5
	44	1.5	3.1	1.5	1.5
	45	1.5	3.0	1.5	1.5
	48	1.7	4.4	1.6	1.7
	49	1.4	1.4	2.0	1.4
	50	2.0	2.0	1.4	2.0
	63	3.4	2.5	2.2	2.5
IC303	1	1.7	4.4	1.6	1.7
	11	1.5	3.0	1.5	1.5
	12	1.5	3.1	1.5	1.5

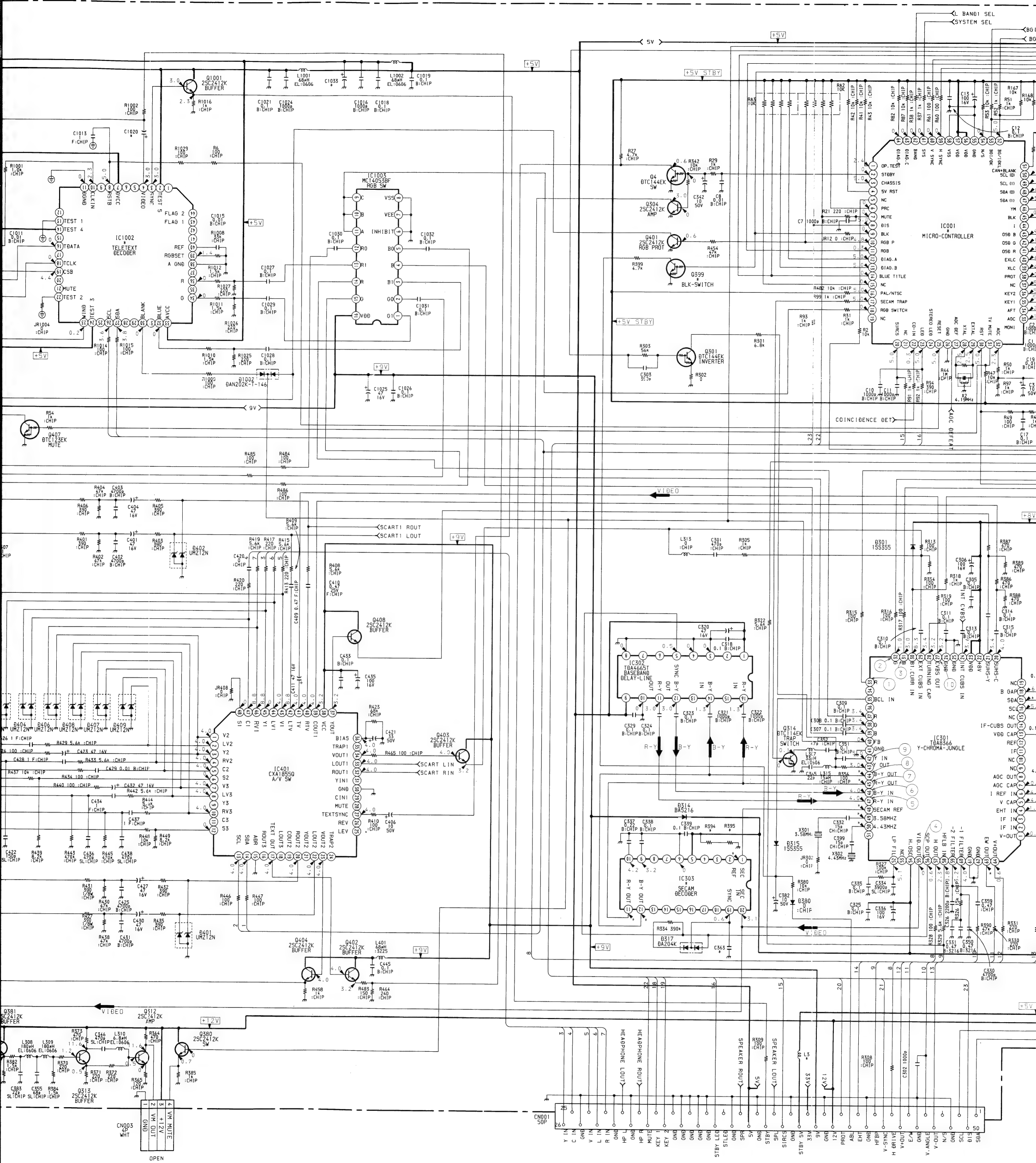
Block diagram of the video section of the TMS320C25. The diagram shows a signal path starting from a CVBS-SWITCH, which receives input from a VIDEO MUTE block. The VIDEO MUTE block receives input from a VIDEO AMPL. block. The VIDEO AMPL. block receives input from a POL block. The CVBS-SWITCH also receives input from a SW block. The SW block receives input from a TRAP block. The TRAP block receives input from a BAND block. The BAND block receives input from a CONTROL DACs block. The CONTROL DACs block receives input from an I2C-BUS TRANSCEIVER. The I2C-BUS TRANSCEIVER is connected to pins 16 and 17. The CVBS-SWITCH is connected to pins 24, 29, 20, 21, 27, and 55. The SW block is connected to pins 24, 29, 20, 21, 27, and 55. The TRAP block is connected to pins 24, 29, 20, 21, 27, and 55. The BAND block is connected to pins 24, 29, 20, 21, 27, and 55. The CONTROL DACs block is connected to pins 24, 29, 20, 21, 27, and 55. The I2C-BUS TRANSCEIVER is connected to pins 24, 29, 20, 21, 27, and 55.

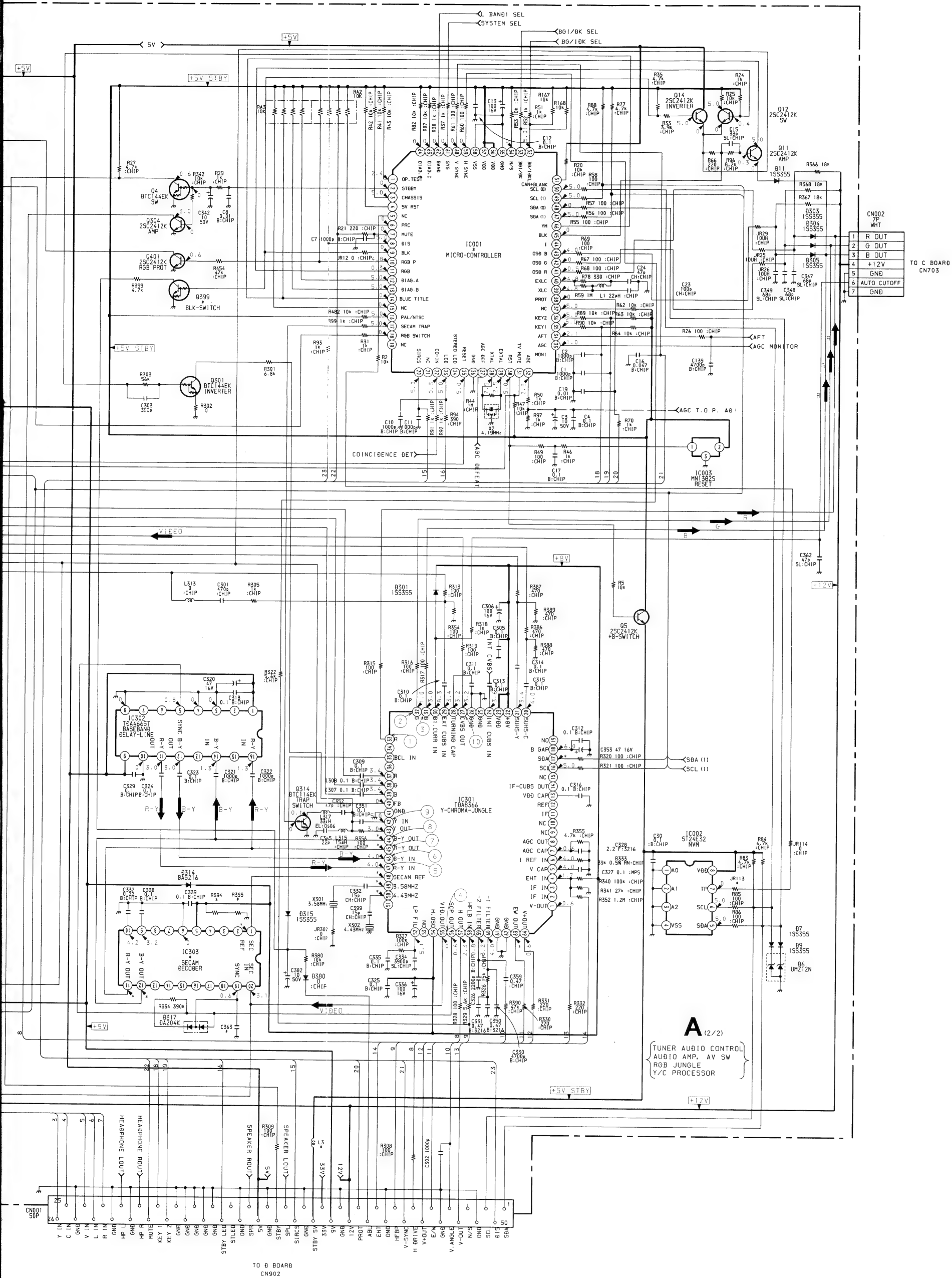


A_(1/2) } AUDIO AMP, AV SW
RGB JUNGLE
Y/C PROCESSOR

A BOARD IC301 TDA8366





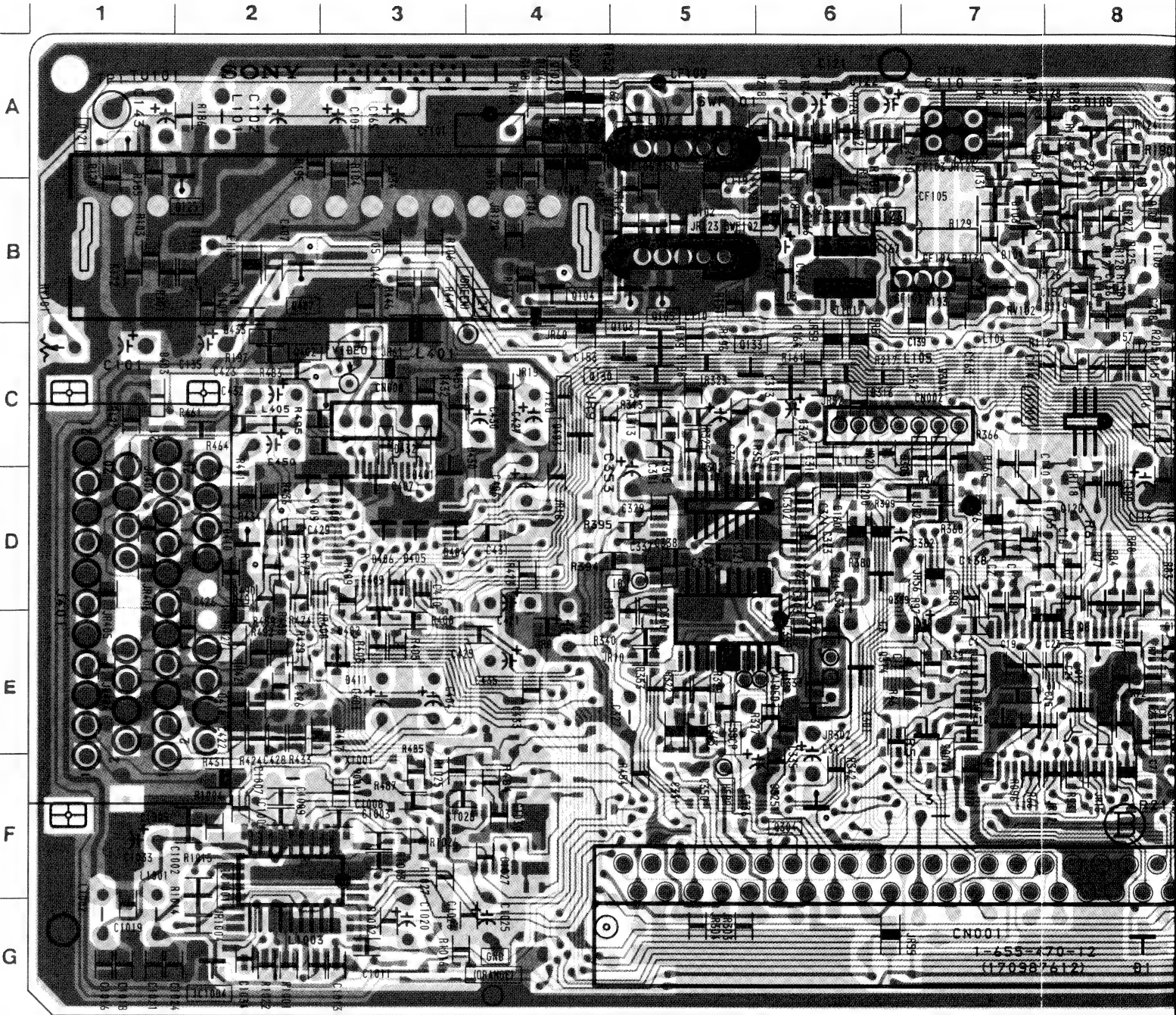


A BOARD * MARK

Ref. No.	C2173B	C2171D	C2173E	C2171K	C2171KR
C101	4.7MF 50V	22MF 50V	22MF 50V	22MF 50V	22MF 50V
C143	100MF 16V	-	-	-	-
C145	-	0 : CHIP	0 : CHIP	-	-
C146	-	0 : CHIP	0 : CHIP	-	-
C154	33P	68P	68P	68P	68P
C155	-	18P	18P	18P	18P
C157	68P	33P	33P	33P	33P
C162	0.012MF	-	-	-	-
C163	0.001MF	-	-	-	-
C363	22P	22P	22P	-	-
C1020	-	22MF 50V	22MF 50V	22MF 50V	22MF 50V
C1033	-	10MF 50V	10MF 50V	10MF 50V	10MF 50V
CF102	5.5MHz/6.6MHz	5.5MHz	5.5MHz	5.5MHz	5.5MHz
CF104	6.0MHz	6.5MHz	-	6.5MHz	6.5MHz
CF107	-	-	-	-	-
CF108	6.0MHz	-	-	-	-
D102	DAN202K	-	-	-	-
D103	DAN202K	DAN202K	-	DAN202K	DAN202K
D108	-	-	-	DAN202K	DAN202K
IC001	CXP85340A-117Q	CXP85340A-117Q	CXP85340A-116Q	CXP85340A-117Q	CXP85340A-117Q
IC101	TDA9814T/V2	TDA9813T	TDA9813T	TDA9813T	TDA9813T
IC1002	CF70200FN	CF70203FN	CF70200FN	CF70203FN	CF70209FN
JR51	-	0 : CHIP	0 : CHIP	0 : CHIP	0 : CHIP
JR113	-	0 : CHIP	0 : CHIP	0 : CHIP	0 : CHIP
JR115	-	-	-	0 : CHIP	0 : CHIP
JR122	-	0 : CHIP	0 : CHIP	0 : CHIP	0 : CHIP
JR123	-	0 : CHIP	0 : CHIP	0 : CHIP	0 : CHIP
JR124	0 : CHIP	0 : CHIP	0 : CHIP	-	-
JR125	-	-	0 : CHIP	-	-
JR201	-	0 : CHIP	-	0 : CHIP	0 : CHIP
JR202	-	0 : CHIP	-	0 : CHIP	0 : CHIP
L3	68uH	-	-	-	-
L104	100uH	-	-	-	-
L105	5.6uH	12uH	12uH	12uH	12uH
L106	0 : CHIP	-	-	-	-
L108	27uH	39uH	39uH	39uH	39uH
Q103	DTC114EK	-	-	-	-
Q104	DTC114EK	-	-	-	-
Q105	DTC114EK	-	-	-	-
Q116	DTC144EK	DTC144EK	-	-	-
Q117	DTC144EK	DTC144EK	-	-	-
Q121	2SA1037K	-	-	-	-
Q125	DTC114EK	-	-	-	-
Q126	-	-	-	DTC144EK	DTC144EK
Q127	-	-	-	DTC144EK	DTC144EK
Q128	-	-	-	DTC144EK	DTC144EK
Q305	-	-	JC501	-	-
Q399	DTC144EK	-	-	-	-
R134	2.2K	2.2K	-	2.2K	2.2K
R135	2.2K	2.2K	-	2.2K	2.2K
R143	2.2K	2.2K	-	-	-
R147	180	220	220	220	220
R188	-	-	-	2.2K	2.2K
R189	-	-	-	1K	1K
R190	-	-	-	2.2K	2.2K
R191	-	-	-	2.2K	2.2K
R193	1K	-	-	-	-
R199	1.2K	1K	1K	1K	1K
R304	-	-	10K	-	-
R394	2.2K	-	2.2K	-	-
R395	1K	-	1K	-	-
RV102	22K	-	-	-	-
SWF102	K9453M	K9350M	K9350M	K9350M	K9350M

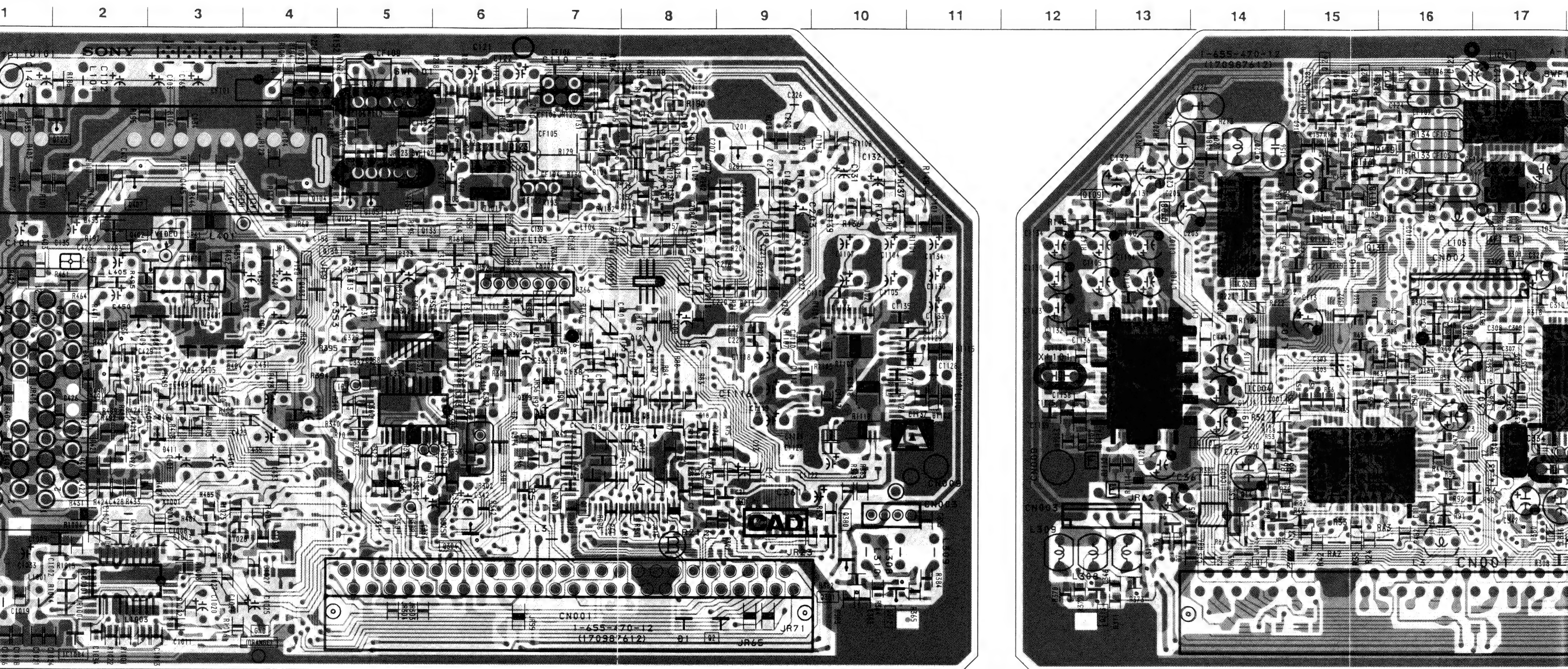
A TUNER AUDIO CONTROL
AUDIO AMP, AV SW
RGB JUNGLE, Y/C PROCESSOR

— A BOARD —



TUNER AUDIO CONTROL
AUDIO AMP, AV SW
RGB JUNGLE, Y/C PROCESSOR

BOARD —



11 12 13 14 15 16 17 18 19 20 21 22

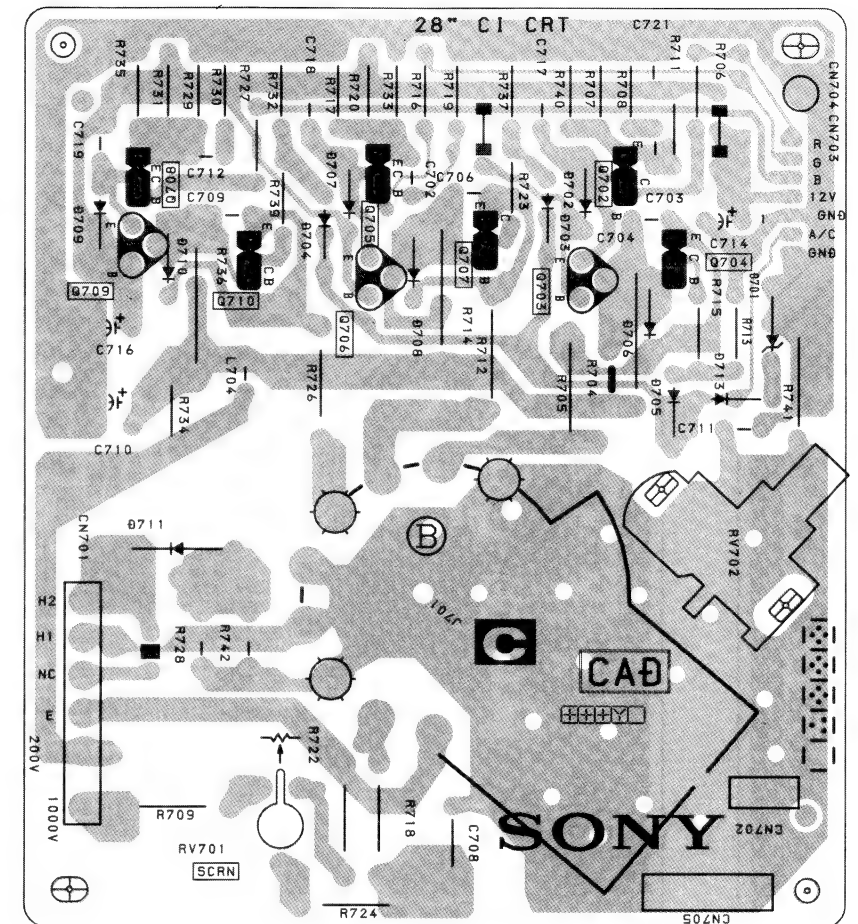
A BOARD

IC			
IC001	E-15	Q380	F-10
IC002	E-14	Q381	G-10
IC003	E-7	Q399	D-7
IC101	A-17	Q401	E-19
IC201	C-14	Q402	C-2
IC202	C-8	Q403	C-4
IC301	D-19	Q404	C-20
IC302	E-6	Q406	E-20
IC303	E-6	Q407	B-2
IC401	D-21	Q408	D-20
IC1001	F-2	Q1001	G-20
IC1002	G-21	DIODE	
IC1003	F-19	D6	F-14
IC1101	E-14	D7	F-14
TRANSISTOR		D9	F-13
Q4	F-9	D11	E-8
Q5	F-15	D101	B-2
Q11	F-7	D102	B-5
Q12	E-8	D103	B-7
Q14	E-14	D108	A-8
Q102	A-4	D201	B-9
Q103	C-5	D301	C-17
Q104	B-4	D303	C-16
Q105	B-5	D304	C-7
Q107	B-8	D305	C-7
Q108	B-13	D314	C-4
Q109	B-13	D315	D-17
Q114	C-15	D317	E-18
Q116	B-16	D380	F-17
Q117	A-16	D401	D-3
Q120	A-8	D402	E-3
Q121	A-1	D404	D-3
Q123	B-6	D405	D-3
Q124	A-15	D406	D-3
Q125	B-2	D407	D-3
Q126	A-15	D408	D-3
Q127	A-15	D409	D-3
Q128	A-15	D410	D-2
Q130	C-5	D411	E-3
Q131	C-16	D1002	E-20
Q132	B-15	D1101	E-13
Q133	C-6	D1102	E-11
Q134	D-16	VARIABLE RESISTOR	
Q301	C-16	RV102	B-16
Q304	F-6		
Q312	G-11		
Q313	G-13		
Q314	E-6		

- mark : KV-C2173B only
 ● mark : KV-C2173B and C2173E only
 □ mark : KV-C2173B, C2171D, C2171K and C2171KR only
 ■ mark : KV-C2171K and C2171KR only

Note:

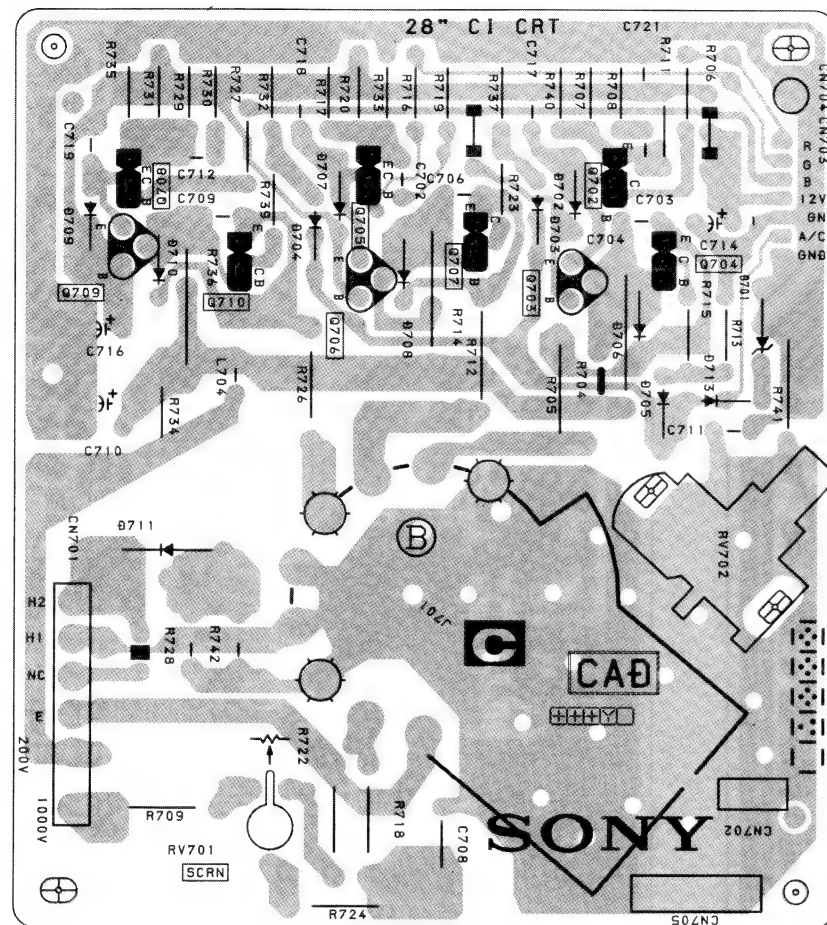
- : Pattern from the side which enables seeing.
 • : Pattern of the rear side.



<p>①</p> <p>103 Vp-p (H)</p>	<p>②</p> <p>76.0 Vp-p (H)</p>	<p>③</p> <p>100 Vp-p (H)</p>	<p>④</p> <p>18.5 Vp-p (H)</p>
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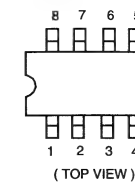
C [RGB OUT]

— C BOARD —

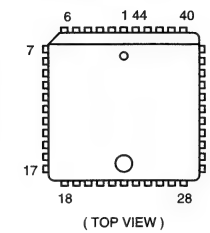


5-4. SEMICONDUCTORS

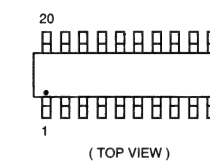
BA7046F



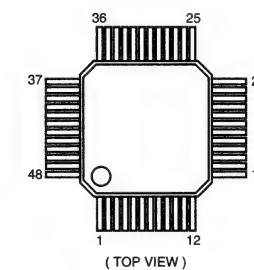
CF70200FN-R/C
CF70203FN-F
CF70209FN-R



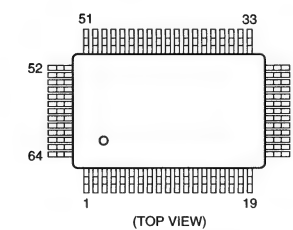
CF72416DW-R
TDA8395T



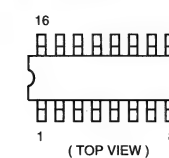
CXA1855Q-T6



CXP85340A-117Q-TL
SAA7283GP
TDA8366H/N3



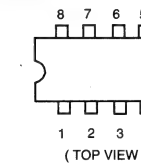
HD14053BF
MC14053BF



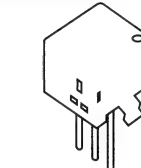
LM2940CT-5.0
LM2940CT-9.0
MCT7812CT
TA7812S
μPC2405HF



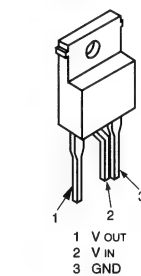
LM393P
TDA2822M
μPC393C



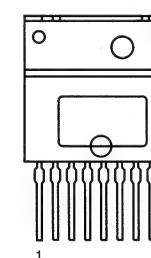
SBX1790-11
SBX1790-51



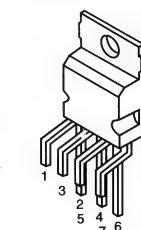
SE-135N
SE135N-LF12



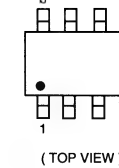
STR-S6708



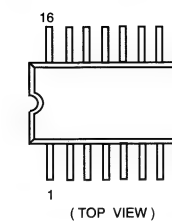
STV9379



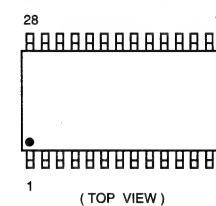
ST24E32M6



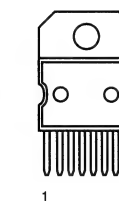
TDA4665T-T



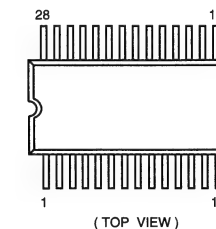
TDA6612-5X-GEG



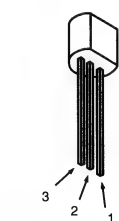
TDA7264



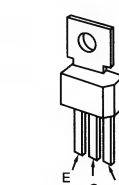
TDA9813T-T
TDA9814T/V2



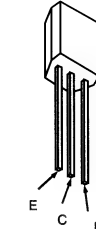
TL750L05CLPR



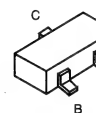
BF871-127



DTA144ES
DTC114ES
DTC143TS
DTC144ES



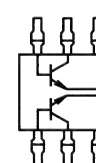
DTC114EK
DTC123EK
DTC144EK
2SA1037K
2SA1162-G
2SC2412K



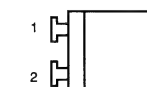
JA101
JC501
2SA1091-O
2SA733-K
2SC2389STP-R
2SC2808STP-R



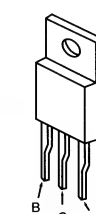
IMX1

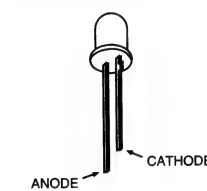


TLP721(D4)-GR



2SA1667
2SC3852A







SECTION 6

EXPLODED VIEWS

NOTE:

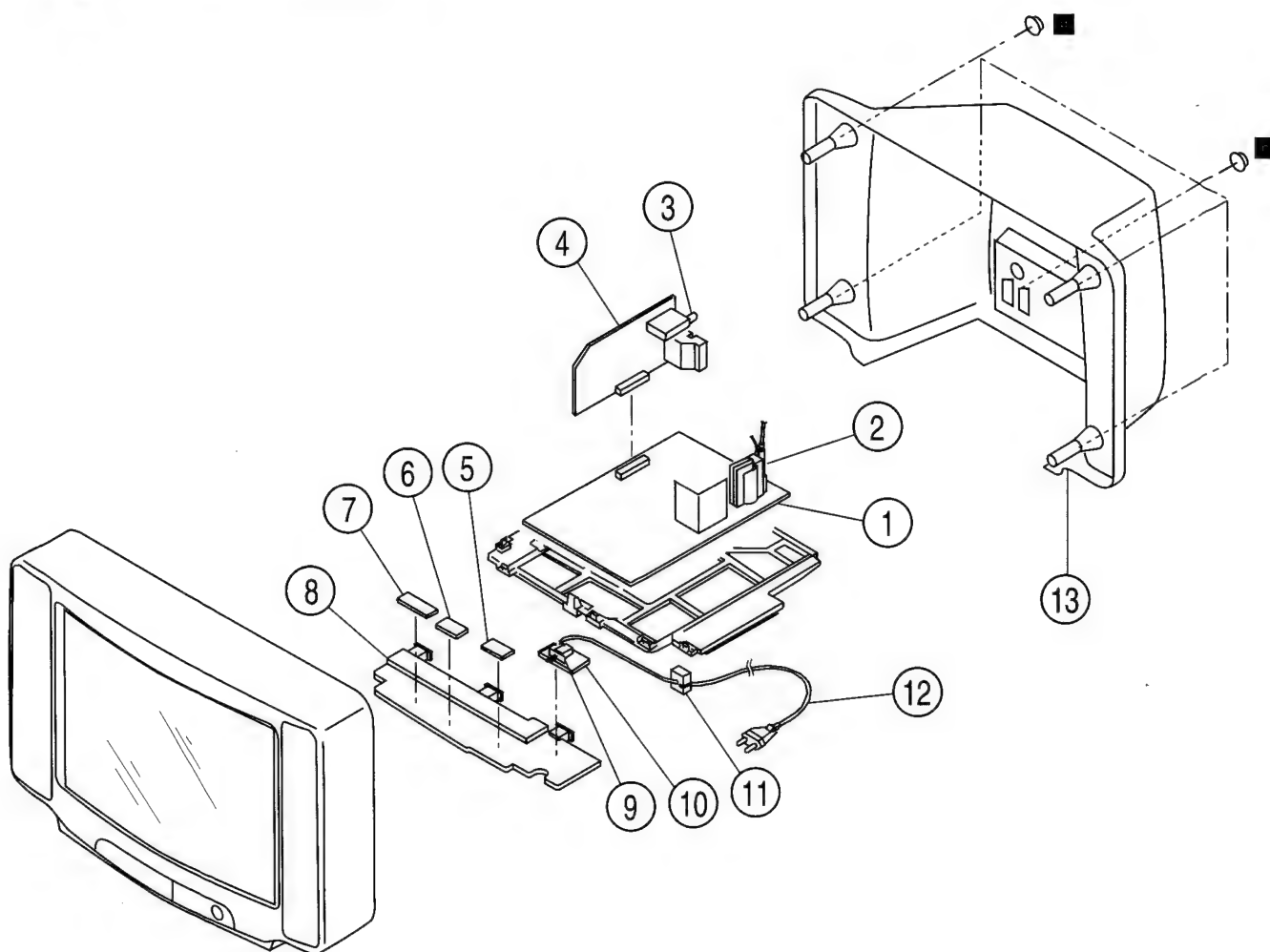
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked  are critical for safety. Replace only with the part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

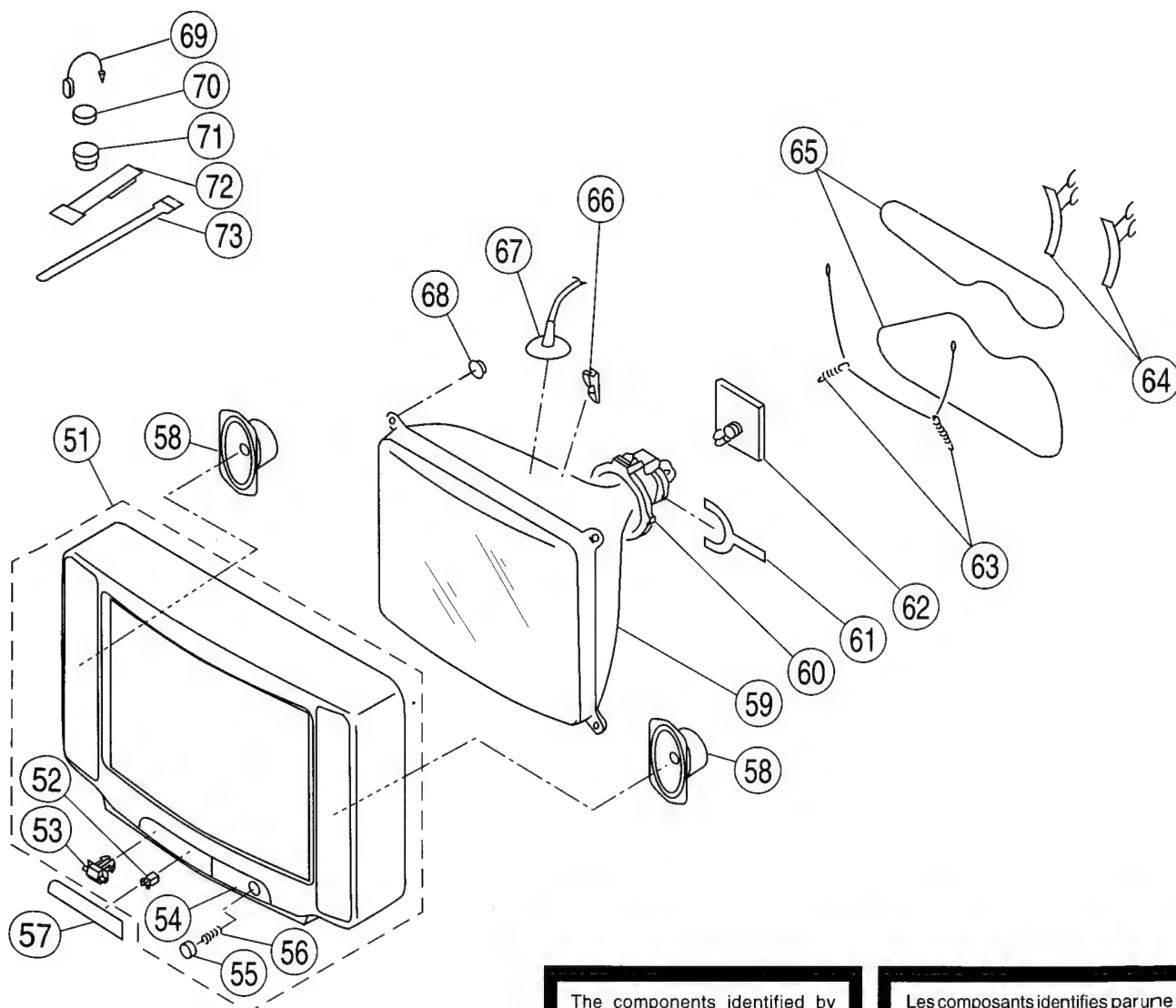
6-1. CHASSIS


■ : +BVTP 4X16 7-685-663-79




REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
1	*A-1642-122-A	D BOARD, COMPLETE		11	4-389-201-11	HOLDER, AC CORD	
2	1-453-169-11	TRANSFORMER ASSY, FLUORESCENT (UX-1604A2)		12	1-690-270-11	CORD, POWER (WITH CONNECTOR)	
3	8-598-045-00	TUNER (BTP-EC411)				2.5A/250V	
4	*A-1632-289-A	A BOARD, COMPLETE (KV-C2173B)				(KV-C2173B/C2173E/C2171K/C2171KR)	
	*A-1632-294-A	A BOARD, COMPLETE (KV-C2171D)			1-765-286-11	CORD, POWER (WITH FILTER)	
	*A-1632-290-A	A BOARD, COMPLETE (KV-C2173E)				2.5A/250V	
	*A-1632-325-A	A BOARD, COMPLETE (KV-C2171K)				(KV-C2171D)	
	*A-1632-370-A	A BOARD, COMPLETE (KV-C2171KR)		13	4-203-172-01	COVER, REAR	
5	*A-1646-070-A	H2 BOARD, COMPLETE					
6	*A-1646-093-A	H3 BOARD, COMPLETE					
7	*A-1646-092-A	H1 BOARD, COMPLETE					
8	*4-203-180-01	BRACKET, H					
9	1-571-433-21	SWITCH, PUSH (AC POWER)					
10	*A-1624-050-A	F1 BOARD, COMPLETE					

6-2. PICTURE TUBE




The components identified by shading and marked  are critical for safety. Replace only with the part number specified.


Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
51	X-4200-233-1	BEZNET ASSY	52 - 56	63	4-369-318-21	SPRING, TENSION	
52	4-392-036-01	CATCHER, PUSH		64	*4-386-622-11	BAND, DGC	
53	4-203-179-01	DOOR, CONTROL (PAINTED)		65	1-446-828-11	COIL, DEGAUSSING	
54	3-703-035-11	SHAFT, LID		66	3-704-495-01	SPACER, DY	
55	4-203-176-01	BUTTON, POWER		67	1-540-006-22	CAP ASSY, HIGH VOLTAGE	
56	4-202-964-01	SPRING		68	4-203-177-01	SCREW SELF TAPPING	
57	4-203-175-01	WINDOW, ORNAMENTAL		69	4-308-870-00	CLIP, LEAD WIRE	
58	1-544-525-11	SPEAKER		70	1-452-032-00	MAGNET, DISK; 10MM Ø	
59	8-738-783-05	PICTURE TUBE (SD-169) (A51JXH61X)		71	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
60	8-451-295-43	DEFLECTION YOKE (Y21RFA2)		72	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
61	1-452-277-00	MAGNET, BMC		73	3-701-007-00	BAND, BINDING	
62	*A-1638-055-A	C BOARD, COMPLETE					

SECTION 7

ELECTRICAL PARTS LIST

The components identified by shading and marked  are critical for safety. Replace only with the part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

MF : mF, PF : mmF

COILS

MMH : mH, μ H : mH

F1

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1624-050-A	F1 BOARD, COMPLETE *****		C101	1-126-963-11	ELECT 4.7MF 20% 50V (KV-C2173B)	
	< CONNECTOR >				1-128-551-11	ELECT 22MF 20% 50V (KV-C2171D/C2173E/C2171K/C2171KR)	
CN603	*1-580-844-11	PIN CONNECTOR (POWER)		C102	1-126-966-11	ELECT 33MF 20% 50V	
CN604	*1-595-292-11	PIN CONNECTOR (POWER)		C103	1-126-966-11	ELECT 33MF 20% 50V	
	< FUSE >			C104	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
F601	*1-576-232-21	FUSE (H.B.C.) 5.0A/250V		C105	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
	*1-533-230-11	HOLDER, FUSE : F601		C106	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
	< SWITCH >			C107	1-164-346-11	CERAMIC CHIP 1MF 16V	
S601	*1-571-433-11	SWITCH, PUSH (AC POWER)		C108	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
	*****			C109	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
	*A-1632-289-A	A BOARD, COMPLETE (KV-C2173B) *****		C112	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
	*A-1632-294-A	A BOARD, COMPLETE (KV-C2171D) *****		C113	1-126-967-11	ELECT 47MF 20% 16V	
	*A-1632-290-A	A BOARD, COMPLETE (KV-C2173E) *****		C114	1-164-346-11	CERAMIC CHIP 1MF 16V	
	*A-1632-325-A	A BOARD, COMPLETE (KV-C2171K) *****		C115	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V	
	*A-1632-370-A	A BOARD, COMPLETE (KV-C2171KR) *****		C117	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
				C118	1-164-489-11	CERAMIC CHIP 0.22MF 10% 16V	
				C119	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
TP1	*1-535-084-00	1P TERMINAL PIN		C120	1-164-337-11	CERAMIC CHIP 2.2MF 16V	
	< CAPACITOR >			C121	1-126-967-11	ELECT 47MF 20% 16V	
C1	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V		C122	1-126-967-11	ELECT 47MF 20% 16V	
C2	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V		C123	1-163-090-00	CERAMIC CHIP 7PF 0.25PF 50V	
C3	1-126-964-11	ELECT 10MF 20% 50V		C124	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C4	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		C125	1-164-337-11	CERAMIC CHIP 2.2MF 16V	
C7	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V		C126	1-164-337-11	CERAMIC CHIP 2.2MF 16V	
C8	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V		C127	1-126-966-11	ELECT 33MF 20% 50V	
C10	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V		C128	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C11	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V		C129	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C12	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		C130	1-216-295-91	METAL GLAZE 0 5% 1/10W	
C13	1-126-933-11	ELECT 100MF 20% 16V		C131	1-126-967-11	ELECT 47MF 20% 16V	
C15	1-163-105-00	CERAMIC CHIP 33PF 5% 50V		C132	1-126-967-11	ELECT 47MF 20% 16V	
C16	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V		C134	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C17	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		C135	1-126-967-11	ELECT 47MF 20% 16V	
C19	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V		C137	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
C23	1-163-251-11	CERAMIC CHIP 100PF 5% 50V		C139	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V	
C24	1-163-243-11	CERAMIC CHIP 47PF 5% 50V		C142	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
C30	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V		C143	1-104-665-11	ELECT 100MF 20% 16V (KV-C2173B)	
				C144	1-162-638-11	CERAMIC CHIP 1MF 16V	
				C145	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2171D/C2173E)	
				C146	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2171D/C2173E)	
				C149	1-216-295-91	METAL GLAZE 0 5% 1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C152	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C322	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C153	1-164-337-11	CERAMIC CHIP 2.2MF	16V	C323	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C154	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	C324	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
		(KV-C2173B)		C325	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C326	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
		(KV-C2171D/C2173E/C2171K/C2171KR)		C327	1-136-165-00	FILM 0.1MF	5% 50V
C155	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	C328	1-164-337-11	CERAMIC CHIP 2.2MF	16V
		(KV-C2171D/C2173E/C2171K/C2171KR)		C329	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C157	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C330	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
		(KV-C2173B)		C331	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V
	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	C332	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
		(KV-C2171D/C2173E/C2171K/C2171KR)		C334	1-163-016-00	CERAMIC CHIP 0.0039MF	10% 50V
C160	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C335	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C162	1-163-022-00	CERAMIC CHIP 0.012MF	10% 50V	C336	1-126-933-11	ELECT 100MF	20% 16V
		(KV-C2173B)		C337	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
C163	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C338	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
		(KV-C2173B)		C339	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C164	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C342	1-126-964-11	ELECT 10MF	20% 50V
C165	1-126-933-11	ELECT 100MF	20% 16V	C346	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C201	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C347	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C202	1-163-137-00	CERAMIC CHIP 680PF	5% 50V	C348	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C203	1-126-964-11	ELECT 10MF	20% 50V	C349	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C204	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	C350	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V
C205	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C351	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C206	1-164-346-11	CERAMIC CHIP 1MF	16V	C352	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C207	1-137-613-11	FILM 0.0018MF	2% 100V	C353	1-126-967-11	ELECT 47MF	20% 16V
C208	1-164-346-11	CERAMIC CHIP 1MF	16V	C355	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C209	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	C359	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C210	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C361	1-126-964-11	ELECT 10MF	20% 50V
C211	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C362	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C212	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C363	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C215	1-163-023-00	CERAMIC CHIP 0.015MF	10% 50V			(KV-C2173B/C2171D/C2173E)	
C216	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	C365	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C219	1-163-023-00	CERAMIC CHIP 0.015MF	10% 50V	C382	1-126-964-11	ELECT 10MF	20% 50V
C220	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	C383	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C221	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C399	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C222	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C401	1-126-967-11	ELECT 47MF	20% 16V
C225	1-130-489-00	FILM 0.033MF	5% 50V	C402	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C226	1-130-489-00	FILM 0.033MF	5% 50V	C403	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C227	1-163-020-00	CERAMIC CHIP 0.0082MF	10% 50V	C404	1-126-967-11	ELECT 47MF	20% 16V
C228	1-163-020-00	CERAMIC CHIP 0.0082MF	10% 50V	C406	1-126-964-11	ELECT 10MF	20% 50V
C229	1-164-346-11	CERAMIC CHIP 1MF	16V	C407	1-164-346-11	CERAMIC CHIP 1MF	16V
C301	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C409	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C302	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C410	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C303	1-163-131-00	CERAMIC CHIP 390PF	5% 50V	C411	1-126-967-11	ELECT 47MF	20% 16V
C305	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C418	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C306	1-126-933-11	ELECT 100MF	20% 16V	C420	1-216-295-91	METAL GLAZE 0	5% 1/10W
C307	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C421	1-126-966-11	ELECT 33MF	20% 50V
C308	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C422	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C309	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C423	1-126-967-11	ELECT 47MF	20% 16V
C310	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C425	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C311	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C426	1-164-346-11	CERAMIC CHIP 1MF	16V
C312	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C427	1-126-967-11	ELECT 47MF	20% 16V
C313	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C428	1-164-346-11	CERAMIC CHIP 1MF	16V
C314	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C429	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C315	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C430	1-126-967-11	ELECT 47MF	20% 16V
C316	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C431	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C318	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C432	1-126-967-11	ELECT 47MF	20% 16V
C320	1-126-967-11	ELECT 47MF	20% 16V	C433	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C321	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C434	1-164-346-11	CERAMIC CHIP 1MF	16V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C435	1-126-933-11	ELECT 100MF	20% 16V	C1128	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C436	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C1129	1-162-568-11	CERAMIC CHIP 0.33MF	25V
C437	1-164-346-11	CERAMIC CHIP 1MF	16V				
C438	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C1130	1-124-903-11	ELECT 1MF	20% 50V
C445	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C1131	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1002	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C1132	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1003	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C1133	1-126-967-11	ELECT 47MF	20% 16V
C1004	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	C1134	1-126-964-11	ELECT 10MF	20% 50V
C1005	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C1135	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C1006	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C1136	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1007	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C1137	1-163-095-00	CERAMIC CHIP 12PF	5% 50V
C1008	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C1139	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1009	1-163-097-00	CERAMIC CHIP 15PF	5% 50V				
C1011	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	< FILTER >			
C1013	1-164-346-11	CERAMIC CHIP 1MF	16V	CF101	1-760-154-11	TRAP, CERAMIC	
C1015	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	CF102	1-409-430-11	TRAP, CERAMIC (KV-C2173B)	
C1016	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V		1-404-134-00	TRAP, CERAMIC (5.5MHZ)	
C1018	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V			(KV-C2171D/C2173E/C2171K/C2171KR)	
C1019	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF103	1-760-106-11	FILTER, CERAMIC	
C1020	1-128-551-11	ELECT 22MF	20% 50V	CF104	1-567-100-00	FILTER, CERAMIC (KV-C2173B)	
		(KV-C2171D/C2173E/C2171K/C2171KR)			1-567-101-11	FILTER, CERAMIC	
C1021	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V			(KV-C2171D/C2171K/C2171KR)	
C1024	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	CF106	1-760-416-21	FILTER, CERAMIC	
C1025	1-126-967-11	ELECT 47MF	20% 16V	CF107	1-760-449-11	FILTER, CERAMIC (KV-C2171K/C2171KR)	
C1026	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF108	1-760-107-11	FILTER, CERAMIC (KV-C2173B)	
C1027	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	SWF101	1-579-273-11	FILTER, SURFACE WAVE	
C1028	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	SWF102	1-760-244-11	FILTER, SURFACE WAVE (KV-C2173B)	
C1029	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		1-760-329-11	FILTER, SURFACE WAVE	
						(KV-C2171D/C2173E/C2171K/C2171KR)	
C1030	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	< CONNECTOR >			
C1031	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN001	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
C1032	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN002	*1-568-882-51	PIN, CONNECTOR 7P	
C1033	1-126-964-11	ELECT 10MF	20% 50V	CN003	*1-568-879-11	PIN, CONNECTOR 4P	
		(KV-C2171D/C2173E/C2171K/C2171KR)					
C1034	1-164-346-11	CERAMIC CHIP 1MF	16V	< DIODE >			
< C1101 - C1139 FITTED ON >				D6	8-719-047-41	DIODE UMZ12N-T106	
< KV-C2173B/C2173E >				D7	8-719-988-62	DIODE 1SS355	
C1101	1-163-131-00	CERAMIC CHIP 390PF	5% 50V	D9	8-719-988-62	DIODE 1SS355	
C1102	1-163-093-00	CERAMIC CHIP 10PF	5% 50V	D11	8-719-988-62	DIODE 1SS355	
C1103	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D101	8-719-977-81	DIODE DTZ33B	
C1104	1-126-964-11	ELECT 10MF	20% 50V	D102	8-719-914-43	DIODE DAN202K (KV-C2173B)	
C1105	1-126-964-11	ELECT 10MF	20% 50V	D103	8-719-914-43	DIODE DAN202K	
						(KV-C2173B/C2171D/C2171K/C2171KR)	
C1106	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D108	8-719-914-43	DIODE DAN202K (KV-C2171K/C2171KR)	
C1107	1-126-967-11	ELECT 47MF	20% 16V	D201	8-719-914-42	DIODE DA204K	
C1108	1-126-964-11	ELECT 10MF	20% 50V	D301	8-719-988-62	DIODE 1SS355	
C1110	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	D303	8-719-988-62	DIODE 1SS355	
C1111	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	D304	8-719-988-62	DIODE 1SS355	
C1112	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	D305	8-719-988-62	DIODE 1SS355	
C1113	1-163-137-00	CERAMIC CHIP 680PF	5% 50V	D314	8-719-047-16	DIODE BAS216	
C1116	1-126-967-11	ELECT 47MF	20% 16V	D315	8-719-988-62	DIODE 1SS355	
C1117	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D317	8-719-914-42	DIODE DA204K	
C1118	1-126-967-11	ELECT 47MF	20% 16V	D380	1-216-295-91	METAL GLAZE 0	5% 1/10W
C1119	1-126-967-11	ELECT 47MF	20% 16V	D401	8-719-047-41	DIODE UMZ12N-T106	
C1120	1-163-137-00	CERAMIC CHIP 680PF	5% 50V	D402	8-719-047-41	DIODE UMZ12N-T106	
C1122	1-126-967-11	ELECT 47MF	20% 16V	D404	8-719-047-41	DIODE UMZ12N-T106	
C1123	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D405	8-719-047-41	DIODE UMZ12N-T106	
C1124	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D406	8-719-047-41	DIODE UMZ12N-T106	
C1125	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V	D407	8-719-047-41	DIODE UMZ12N-T106	
C1126	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	D408	8-719-047-41	DIODE UMZ12N-T106	
C1127	1-163-117-00	CERAMIC CHIP 100PF	5% 50V				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D409	8-719-047-41	DIODE UMZ12N-T106		L401	1-410-214-31	INDUCTOR CHIP 68UH	
D410	8-719-047-41	DIODE UMZ12N-T106		L1001	1-408-419-00	INDUCTOR 68UH	
D411	8-719-047-41	DIODE UMZ12N-T106		L1002	1-408-419-00	INDUCTOR 68UH	
D1002	8-719-914-43	DIODE DAN202K		L1003	1-410-999-11	INDUCTOR CHIP 3.3UH	
D1101	8-719-988-62	DIODE 1SS355 (KV-C2173B/C2173E)		L1101	1-412-004-31	INDUCTOR CHIP 6.8UH (KV-C2173B/C2173E)	
D1102	8-719-820-71	DIODE 1SV214 (KV-C2173B/C2173E)		T101	1-403-686-11	COIL	
< IC >				< TRANSISTOR >			
IC001	8-752-857-01	IC CXP85340A-117Q-TL (KV-C2173B/C2171D/C2171K/C2171KR)		Q4	8-729-901-01	TRANSISTOR DTC144EK	
	8-752-857-00	IC CXP85340A-116Q-TL (KV-C2173E)		Q5	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC002	8-759-334-20	IC ST24E32M6TR		Q11	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC003	8-759-041-54	IC MN1382S		Q12	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC101	8-759-289-18	IC TDA9813T-T (KV-C2171D/C2173E/C2171K/C2171KR)		Q14	8-729-920-74	TRANSISTOR 2SC2412K-QR	
	8-759-277-66	IC TDA9814T/V2 (KV-C2173B)		Q102	8-729-022-54	TRANSISTOR 2SC3779C,D-AA	
IC201	8-759-252-14	IC TDA6612-5X-GEG		Q103	8-729-900-53	TRANSISTOR DTC114EK (KV-C2173B)	
IC202	8-759-514-57	IC BA7046F		Q104	8-729-900-53	TRANSISTOR DTC114EK (KV-C2173B)	
				Q105	8-729-900-53	TRANSISTOR DTC114EK (KV-C2173B)	
IC301	8-759-336-44	IC TDA8366H-N3		Q107	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC302	8-759-288-85	IC TDA4665T-T		Q108	8-729-907-26	TRANSISTOR IMX1	
IC303	8-759-251-56	IC TDA8395T		Q109	8-729-907-26	TRANSISTOR IMX1	
IC401	8-752-069-53	IC CXA1855Q-T6		Q114	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC1001	8-759-295-92	IC CF72416DW-R		Q116	8-729-901-01	TRANSISTOR DTC144EK (KV-C2173B/C2171D)	
				Q117	8-729-901-01	TRANSISTOR DTC144EK (KV-C2173B/C2171D)	
IC1002	8-759-252-10	IC CF70200FN-R/C (KV-C2173B/C2173E)		Q120	8-729-216-22	TRANSISTOR 2SA1162-G	
	8-759-336-09	IC CF70203FN-F (KV-C2171D/C2171K)		Q121	8-729-216-22	TRANSISTOR 2SA1162-G (KV-C2173B)	
	8-759-361-19	IC CF70209FN-R (KV-C2171KR)		Q123	8-729-901-01	TRANSISTOR DTC144EK	
IC1003	8-759-300-71	IC HD14053BF		Q124	8-729-901-01	TRANSISTOR DTC144EK	
IC1101	8-759-251-58	IC SAA7283GP (KV-C2173B/C2173E)		Q125	8-729-900-53	TRANSISTOR DTC114EK (KV-C2173B)	
< SOCKET >				Q126	8-729-901-01	TRANSISTOR DTC144EK (KV-C2171K/C2171KR)	
J401	1-766-296-11	CONNECTOR, DUAL SCART		Q127	8-729-901-01	TRANSISTOR DTC144EK (KV-C2171K/C2171KR)	
< COIL >				Q128	8-729-901-01	TRANSISTOR DTC144EK (KV-C2171K/C2171KR)	
L1	1-410-385-11	INDUCTOR CHIP 22UH		Q130	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L3	1-408-419-00	INDUCTOR 68UH (KV-C2173B)		Q131	8-729-216-22	TRANSISTOR 2SA1162-G	
L100	1-410-989-11	INDUCTOR CHIP 0.47UH		Q132	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L101	1-408-609-41	INDUCTOR 33UH		Q133	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L102	1-410-214-31	INDUCTOR CHIP 68UH		Q134	8-729-900-53	TRANSISTOR DTC114EK	
L103	1-408-609-41	INDUCTOR 33UH		Q301	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L104	1-414-170-11	INDUCTOR CHIP 100UH (KV-C2173B)		Q304	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L105	1-408-406-00	INDUCTOR 5.6UH (KV-C2173B)		Q312	8-729-920-74	TRANSISTOR 2SC2412K-QR	
	1-408-410-00	INDUCTOR 12UH		Q313	8-729-920-74	TRANSISTOR 2SC2412K-QR	
		(KV-C2171D/C2173E/C2171K/C2171KR)		Q314	8-729-900-53	TRANSISTOR DTC114EK	
L106	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2173B)		Q380	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L107	1-410-985-11	INDUCTOR CHIP 0.22UH		Q381	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L108	1-408-414-00	INDUCTOR 27UH (KV-C2173B)		Q399	8-729-901-01	TRANSISTOR DTC144EK (KV-C2173B)	
	1-408-416-00	INDUCTOR 39UH		Q401	8-729-920-74	TRANSISTOR 2SC2412K-QR	
		(KV-C2171D/C2173E/C2171K/C2171KR)		Q402	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L109	1-412-010-41	INDUCTOR CHIP 22UH		Q403	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L110	1-412-004-31	INDUCTOR CHIP 6.8UH		Q404	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L111	1-414-170-11	INDUCTOR CHIP 100UH		Q406	8-729-216-22	TRANSISTOR 2SA1162-G	
L112	1-410-200-31	INDUCTOR CHIP 4.7UH		Q407	8-729-920-65	TRANSISTOR DTC123EK	
L201	1-410-067-21	INDUCTOR 4.7MMH		Q408	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L307	1-408-609-41	INDUCTOR 33UH		Q1001	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L308	1-408-424-00	INDUCTOR 180UH		< RESISTOR >			
L309	1-408-424-00	INDUCTOR 180UH		JR3	1-216-295-91	METAL GLAZE 0 5% 1/10W	
L310	1-408-407-00	INDUCTOR 6.8UH		JR8	1-216-295-91	METAL GLAZE 0 5% 1/10W	
L313	1-216-295-91	METAL GLAZE 0 5% 1/10W		JR9	1-216-295-91	METAL GLAZE 0 5% 1/10W	
L315	1-412-008-11	INDUCTOR CHIP 15UH		JR10	1-216-295-91	METAL GLAZE 0 5% 1/10W	
				JR12	1-216-295-91	METAL GLAZE 0 5% 1/10W	
				JR13	1-216-295-91	METAL GLAZE 0 5% 1/10W	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
JR14	1-216-295-91	METAL GLAZE 0 5% 1/10W		R42	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR15	1-216-295-91	METAL GLAZE 0 5% 1/10W		R43	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR16	1-216-295-91	METAL GLAZE 0 5% 1/10W		R44	1-216-121-91	METAL GLAZE 1M 5% 1/10W	
JR17	1-216-295-91	METAL GLAZE 0 5% 1/10W		R46	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
JR18	1-216-295-91	METAL GLAZE 0 5% 1/10W		R47	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR19	1-216-295-91	METAL GLAZE 0 5% 1/10W		R49	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR20	1-216-295-91	METAL GLAZE 0 5% 1/10W		R50	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
JR25	1-412-006-31	INDUCTOR CHIP 10UH		R51	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
JR26	1-412-006-31	INDUCTOR CHIP 10UH		R52	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
JR28	1-216-296-91	METAL GLAZE 0 5% 1/8W		R53	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR29	1-412-006-31	INDUCTOR CHIP 10UH		R54	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
JR51	1-216-296-91	METAL GLAZE 0 5% 1/8W (KV-C2171D/C2173E/C2171K/C2171KR)		R55	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR52	1-216-295-91	METAL GLAZE 0 5% 1/10W		R56	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR55	1-216-296-91	METAL GLAZE 0 5% 1/8W		R57	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR56	1-216-296-91	METAL GLAZE 0 5% 1/8W		R58	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR59	1-216-296-91	METAL GLAZE 0 5% 1/8W		R59	1-216-121-91	METAL GLAZE 1M 5% 1/10W	
JR60	1-216-296-91	METAL GLAZE 0 5% 1/8W		R60	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR61	1-216-296-91	METAL GLAZE 0 5% 1/8W		R61	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR62	1-216-296-91	METAL GLAZE 0 5% 1/8W		R62	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR65	1-216-296-91	METAL GLAZE 0 5% 1/8W		R63	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR71	1-216-296-91	METAL GLAZE 0 5% 1/8W		R64	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR113	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2171D/C2173E/C2171K/C2171KR)		R66	1-216-033-00	METAL GLAZE 220 5% 1/10W	
JR114	1-216-295-91	METAL GLAZE 0 5% 1/10W		R67	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR115	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2171K/C2171KR)		R68	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR120	1-216-295-91	METAL GLAZE 0 5% 1/10W		R69	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR122	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2171D/C2173E/C2171K/C2171KR)		R70	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
JR123	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2171D/C2173E/C2171K/C2171KR)		R73	1-216-677-11	METAL CHIP 12K 0.50% 1/10W	
JR124	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2173B/C2171D/C2173E)		R77	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
JR125	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2173E)		R78	1-216-037-00	METAL GLAZE 330 5% 1/10W	
JR126	1-216-295-91	METAL GLAZE 0 5% 1/10W		R82	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR201	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2171D/C2171K/C2171KR)		R83	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
JR202	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-C2171D/C2171K/C2171KR)		R84	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
JR302	1-216-295-91	METAL GLAZE 0 5% 1/10W		R85	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR408	1-216-295-91	METAL GLAZE 0 5% 1/10W		R86	1-216-025-91	METAL GLAZE 100 5% 1/10W	
JR1004	1-216-295-91	METAL GLAZE 0 5% 1/10W		R87	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R88	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R5	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R89	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R6	1-216-025-91	METAL GLAZE 100 5% 1/10W		R90	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R20	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R91	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R21	1-216-182-00	METAL GLAZE 220 5% 1/8W		R92	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R24	1-216-049-91	METAL GLAZE 1K 5% 1/10W		R93	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R25	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R94	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R26	1-216-174-00	METAL GLAZE 100 5% 1/8W		R96	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R27	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		R97	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R29	1-216-049-91	METAL GLAZE 1K 5% 1/10W		R99	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R31	1-216-049-91	METAL GLAZE 1K 5% 1/10W		R101	1-208-806-11	METAL CHIP 10K 0.50% 1/10W	
R33	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W		R103	1-208-810-11	METAL CHIP 15K 0.50% 1/10W	
R35	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		R104	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R37	1-216-049-91	METAL GLAZE 1K 5% 1/10W		R105	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R38	1-216-049-91	METAL GLAZE 1K 5% 1/10W		R106	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R41	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R107	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
				R108	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
				R109	1-216-180-00	METAL GLAZE 180 5% 1/8W	
				R110	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
				R111	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
				R112	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
				R113	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
				R114	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
				R115	1-218-755-11	METAL CHIP 130K 0.50% 1/10W	
				R116	1-216-113-00	METAL GLAZE 470K 5% 1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R117	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R185	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R118	1-216-107-00	METAL GLAZE 270K 5%	1/10W	R186	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R119	1-216-049-91	METAL GLAZE 1K 5%	1/10W	R188	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W (KV-C2171K/C2171KR)
R120	1-216-035-00	METAL GLAZE 270 5%	1/10W				
R121	1-216-035-00	METAL GLAZE 270 5%	1/10W	R189	1-216-049-91	METAL GLAZE 1K 5%	1/10W (KV-C2171K/C2171KR)
R122	1-216-089-91	METAL GLAZE 47K 5%	1/10W	R190	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W (KV-C2171K/C2171KR)
R123	1-216-089-91	METAL GLAZE 47K 5%	1/10W	R191	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W (KV-C2171K/C2171KR)
R124	1-216-031-00	METAL GLAZE 180 5%	1/10W				
R125	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R193	1-216-049-91	METAL GLAZE 1K 5%	1/10W (KV-C2173B)
R126	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R194	1-216-180-00	METAL GLAZE 180 5%	1/8W
R127	1-216-041-00	METAL GLAZE 470 5%	1/10W	R195	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R128	1-216-043-91	METAL GLAZE 560 5%	1/10W	R196	1-216-017-91	METAL GLAZE 47 5%	1/10W
R130	1-216-043-91	METAL GLAZE 560 5%	1/10W				
R131	1-216-043-91	METAL GLAZE 560 5%	1/10W	R197	1-216-041-00	METAL GLAZE 470 5%	1/10W
				R198	1-216-029-00	METAL GLAZE 150 5%	1/10W
R134	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W (KV-C2173B/C2171D/C2171K/C2171KR)	R199	1-216-049-91	METAL GLAZE 1K 5%	1/10W (KV-C2171D/C2173E/C2171K/C2171KR)
R135	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W (KV-C2173B/C2171D/C2171K/C2171KR)		1-216-051-00	METAL GLAZE 1.2K 5%	1/10W (KV-C2173B)
R136	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R200	1-216-047-91	METAL GLAZE 820 5%	1/10W
R137	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R201	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R139	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R202	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R140	1-216-089-91	METAL GLAZE 47K 5%	1/10W	R203	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R141	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R204	1-216-025-91	METAL GLAZE 100 5%	1/10W
R142	1-216-089-91	METAL GLAZE 47K 5%	1/10W				
R143	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W (KV-C2173B/C2171D)	R205	1-216-025-91	METAL GLAZE 100 5%	1/10W
R144	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	R206	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R145	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	R207	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R146	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R210	1-216-025-91	METAL GLAZE 100 5%	1/10W
R147	1-216-031-00	METAL GLAZE 180 5%	1/10W (KV-C2173B)	R211	1-216-025-91	METAL GLAZE 100 5%	1/10W
	1-216-033-00	METAL GLAZE 220 5%	1/10W (KV-C2171D/C2173E/C2171K/C2171KR)	R213	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R148	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R216	1-216-685-11	METAL CHIP 27K 0.50%	1/10W
R149	1-216-049-91	METAL GLAZE 1K 5%	1/10W	R217	1-216-031-00	METAL GLAZE 180 5%	1/10W
R150	1-216-295-91	METAL GLAZE 0 5%	1/10W	R219	1-216-025-91	METAL GLAZE 100 5%	1/10W
R151	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R220	1-216-174-00	METAL GLAZE 100 5%	1/8W
R152	1-216-174-00	METAL GLAZE 100 5%	1/8W				
R153	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R221	1-216-025-91	METAL GLAZE 100 5%	1/10W
R154	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	R222	1-216-025-91	METAL GLAZE 100 5%	1/10W
R155	1-216-089-91	METAL GLAZE 47K 5%	1/10W	R223	1-216-029-00	METAL GLAZE 150 5%	1/10W
R156	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R224	1-216-025-91	METAL GLAZE 100 5%	1/10W
R157	1-216-295-91	METAL GLAZE 0 5%	1/10W	R301	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R160	1-216-049-91	METAL GLAZE 1K 5%	1/10W				
R161	1-216-031-00	METAL GLAZE 180 5%	1/10W	R302	1-216-295-91	METAL GLAZE 0 5%	1/10W
R162	1-216-017-91	METAL GLAZE 47 5%	1/10W	R303	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R163	1-216-049-91	METAL GLAZE 1K 5%	1/10W	R304	1-249-429-11	CARBON 10K 5%	1/4W (KV-C2173E)
R164	1-216-025-91	METAL GLAZE 100 5%	1/10W	R305	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R165	1-216-089-91	METAL GLAZE 47K 5%	1/10W				
R166	1-216-097-91	METAL GLAZE 100K 5%	1/10W	R308	1-216-025-91	METAL GLAZE 100 5%	1/10W
R167	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R309	1-216-025-91	METAL GLAZE 100 5%	1/10W
R168	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R311	1-216-025-91	METAL GLAZE 100 5%	1/10W
R170	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R313	1-216-025-91	METAL GLAZE 100 5%	1/10W
R171	1-216-035-00	METAL GLAZE 270 5%	1/10W	R315	1-216-025-91	METAL GLAZE 100 5%	1/10W
R172	1-216-295-91	METAL GLAZE 0 5%	1/10W				
R173	1-216-035-00	METAL GLAZE 270 5%	1/10W	R316	1-216-025-91	METAL GLAZE 100 5%	1/10W
R174	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R317	1-216-025-91	METAL GLAZE 100 5%	1/10W
R180	1-216-049-91	METAL GLAZE 1K 5%	1/10W	R318	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R182	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R319	1-216-025-91	METAL GLAZE 100 5%	1/10W
R183	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W	R320	1-216-025-91	METAL GLAZE 100 5%	1/10W
				R321	1-216-025-91	METAL GLAZE 100 5%	1/10W
				R322	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
				R326	1-216-077-00	METAL GLAZE 15K 5%	1/10W
				R327	1-216-097-91	METAL GLAZE 100K 5%	1/10W
				R328	1-216-025-91	METAL GLAZE 100 5%	1/10W

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R329	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R330	1-216-033-00	METAL GLAZE	220 5% 1/10W
R331	1-216-033-00	METAL GLAZE	220 5% 1/10W
R332	1-216-033-00	METAL GLAZE	220 5% 1/10W
R333	1-216-689-11	METAL CHIP	39K 0.50% 1/10W
R334	1-216-111-91	METAL GLAZE	390K 5% 1/10W
R340	1-216-097-91	METAL GLAZE	100K 5% 1/10W
R341	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R342	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R352	1-216-123-11	METAL GLAZE	1.2M 5% 1/10W
R354	1-216-025-91	METAL GLAZE	100 5% 1/10W
R355	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R356	1-216-025-91	METAL GLAZE	100 5% 1/10W
R364	1-216-041-00	METAL GLAZE	470 5% 1/10W
R365	1-216-027-00	METAL GLAZE	120 5% 1/10W
R366	1-216-079-91	METAL GLAZE	18K 5% 1/10W
R367	1-216-079-91	METAL GLAZE	18K 5% 1/10W
R368	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R370	1-216-033-00	METAL GLAZE	220 5% 1/10W
R371	1-216-033-00	METAL GLAZE	220 5% 1/10W
R372	1-216-033-00	METAL GLAZE	220 5% 1/10W
R373	1-216-041-00	METAL GLAZE	470 5% 1/10W
R380	1-216-222-00	METAL GLAZE	10K 5% 1/8W
R381	1-216-025-91	METAL GLAZE	100 5% 1/10W
R382	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R383	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R384	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R385	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R386	1-216-041-00	METAL GLAZE	470 5% 1/10W
R387	1-216-041-00	METAL GLAZE	470 5% 1/10W
R388	1-216-041-00	METAL GLAZE	470 5% 1/10W
R389	1-216-041-00	METAL GLAZE	470 5% 1/10W
R390	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R392	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R393	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R394	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W (KV-C2173B/C2173E)
R395	1-216-049-91	METAL GLAZE	1K 5% 1/10W (KV-C2173B/C2173E)
R399	1-216-214-00	METAL GLAZE	4.7K 5% 1/8W
R401	1-216-039-00	METAL GLAZE	390 5% 1/10W
R402	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R403	1-216-039-00	METAL GLAZE	390 5% 1/10W
R404	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R405	1-216-039-00	METAL GLAZE	390 5% 1/10W
R406	1-216-039-00	METAL GLAZE	390 5% 1/10W
R407	1-216-198-91	METAL GLAZE	1K 5% 1/8W
R408	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R409	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R410	1-216-025-91	METAL GLAZE	100 5% 1/10W
R413	1-216-033-00	METAL GLAZE	220 5% 1/10W
R415	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R417	1-216-033-00	METAL GLAZE	220 5% 1/10W
R419	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R420	1-216-033-00	METAL GLAZE	220 5% 1/10W
R421	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R422	1-216-022-00	METAL GLAZE	75 5% 1/10W
R423	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R424	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R425	1-216-022-00	METAL GLAZE	75 5% 1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R426	1-216-025-91	METAL GLAZE	100 5% 1/10W
R427	1-216-188-00	METAL GLAZE	390 5% 1/8W
R429	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R430	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R431	1-216-188-00	METAL GLAZE	390 5% 1/8W
R432	1-216-039-00	METAL GLAZE	390 5% 1/10W
R433	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R434	1-216-025-91	METAL GLAZE	100 5% 1/10W
R435	1-216-039-00	METAL GLAZE	390 5% 1/10W
R436	1-216-022-00	METAL GLAZE	75 5% 1/10W
R437	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R438	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R439	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R440	1-216-025-91	METAL GLAZE	100 5% 1/10W
R441	1-216-022-00	METAL GLAZE	75 5% 1/10W
R442	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R443	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R444	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R445	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R446	1-216-025-91	METAL GLAZE	100 5% 1/10W
R447	1-216-025-91	METAL GLAZE	100 5% 1/10W
R448	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R449	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R454	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R458	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R461	1-216-022-00	METAL GLAZE	75 5% 1/10W
R464	1-216-034-00	METAL GLAZE	240 5% 1/10W
R465	1-216-025-91	METAL GLAZE	100 5% 1/10W
R473	1-216-022-00	METAL GLAZE	75 5% 1/10W
R474	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R482	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R483	1-216-029-00	METAL GLAZE	150 5% 1/10W
R484	1-216-025-91	METAL GLAZE	100 5% 1/10W
R485	1-216-025-91	METAL GLAZE	100 5% 1/10W
R486	1-216-025-91	METAL GLAZE	100 5% 1/10W
R487	1-216-022-00	METAL GLAZE	75 5% 1/10W
R488	1-216-022-00	METAL GLAZE	75 5% 1/10W
R489	1-216-022-00	METAL GLAZE	75 5% 1/10W
R490	1-216-295-91	METAL GLAZE	0 5% 1/10W
R491	1-216-295-91	METAL GLAZE	0 5% 1/10W
R492	1-216-295-91	METAL GLAZE	0 5% 1/10W
R1001	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R1002	1-216-025-91	METAL GLAZE	100 5% 1/10W
R1004	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R1008	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1009	1-216-025-91	METAL GLAZE	100 5% 1/10W
R1010	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R1011	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R1012	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R1014	1-216-025-91	METAL GLAZE	100 5% 1/10W
R1015	1-216-025-91	METAL GLAZE	100 5% 1/10W
R1016	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R1025	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1026	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1027	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1029	1-216-025-91	METAL GLAZE	100 5% 1/10W

A

C

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
< R1101-R1118 FITTED ON > < KV-C2173B/C2173E >				CN703	*1-568-882-51	PIN, CONNECTOR 7P	
				< DIODE >			
R1101	1-216-025-91	METAL GLAZE 100 5% 1/10W		D701	8-719-110-14	DIODE RD9.1ESB3	
R1102	1-216-049-91	METAL GLAZE 1K 5% 1/10W		D702	8-719-991-33	DIODE 1SS133T-77	
R1103	1-220-149-11	METAL GLAZE 2.2 10% 1/2W		D706	8-719-991-33	DIODE 1SS133T-77	
R1104	1-216-085-00	METAL GLAZE 33K 5% 1/10W		D707	8-719-991-33	DIODE 1SS133T-77	
R1105	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W		D708	8-719-991-33	DIODE 1SS133T-77	
R1106	1-216-049-91	METAL GLAZE 1K 5% 1/10W		D709	8-719-991-33	DIODE 1SS133T-77	
R1107	1-216-049-91	METAL GLAZE 1K 5% 1/10W		D710	8-719-991-33	DIODE 1SS133T-77	
R1108	1-216-121-91	METAL GLAZE 1M 5% 1/10W		D711	8-719-302-43	DIODE EL1Z	
R1109	1-216-121-91	METAL GLAZE 1M 5% 1/10W		D713	8-719-991-33	DIODE 1SS133T-77	
R1110	1-220-238-11	METAL GLAZE 10 5% 1/4W		D714	8-719-991-33	DIODE 1SS133T-77	
R1111	1-216-025-91	METAL GLAZE 100 5% 1/10W		D715	8-719-991-33	DIODE 1SS133T-77	
R1112	1-216-025-91	METAL GLAZE 100 5% 1/10W		D716	8-719-991-33	DIODE 1SS133T-77	
R1113	1-216-117-00	METAL GLAZE 680K 5% 1/10W		D717	8-719-991-33	DIODE 1SS133T-77	
R1114	1-216-158-00	METAL GLAZE 22 5% 1/8W		D718	8-719-991-33	DIODE 1SS133T-77	
R1115	1-216-121-91	METAL GLAZE 1M 5% 1/10W		D719	8-719-991-33	DIODE 1SS133T-77	
R1116	1-216-081-00	METAL GLAZE 22K 5% 1/10W		< CRT SOCKET >			
R1117	1-216-073-00	METAL GLAZE 10K 5% 1/10W		J701	1-526-990-22	SOCKET, CRT	
R1118	1-220-149-11	METAL GLAZE 2.2 10% 1/2W		< COIL >			
< RESISTOR NETWORK >				L704	1-408-609-41	INDUCTOR 33UH	
RA2	1-236-908-11	RESISTOR, NETWORK (CHIP TYPE)		< TRANSISTOR >			
RA3	1-236-908-11	RESISTOR, NETWORK (CHIP TYPE)		Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
< VARIABLE RESISTOR >				Q703	8-729-906-70	TRANSISTOR BF871-127	
RV102	1-241-765-11	RES, ADJ, CARBON 22K (KV-C2173B)		Q704	8-729-200-17	TRANSISTOR 2SA1091-O	
< TUNER >				Q705	8-729-119-78	TRANSISTOR 2SC2785-HFE	
TU101	8-598-045-00	TUNER (BTP-EC411)		Q706	8-729-906-70	TRANSISTOR BF871-127	
< CRYSTAL >				Q707	8-729-200-17	TRANSISTOR 2SA1091-O	
X2	1-579-063-21	VIBRATOR, CERAMIC		Q708	8-729-119-78	TRANSISTOR 2SC2785-HFE	
X301	1-567-505-11	OSCILLATOR, CRYSTAL		Q709	8-729-906-70	TRANSISTOR BF871-127	
X302	1-567-504-11	OSCILLATOR, CRYSTAL		Q710	8-729-200-17	TRANSISTOR 2SA1091-O	
X1001	1-567-495-11	OSCILLATOR, CRYSTAL		< RESISTOR >			
X1101	1-579-689-21	VIBRATOR, CRYSTAL (KV-C2173B/C2173E)		JW701	1-247-791-91	CARBON 22 5% 1/4W	
*****				R704	1-216-486-00	METAL OXIDE 8.2K 5% 3W F	
*A-1638-055-A C BOARD, COMPLETE				R705	1-202-822-00	SOLID 2.2K 10% 1/2W	
*****				R706	1-247-815-91	CARBON 220 5% 1/4W	
< CAPACITOR >				R707	1-247-815-91	CARBON 220 5% 1/4W	
C702	1-102-824-00	CERAMIC 470PF 5% 50V		R709	1-202-844-00	SOLID 330K 10% 1/2W	
C703	1-102-115-00	CERAMIC 560PF 10% 50V		R711	1-249-428-11	CARBON 8.2K 5% 1/4W	
C708	1-162-114-00	CERAMIC 0.0047MF 2KV		R712	1-202-822-00	SOLID 2.2K 10% 1/2W	
C710	1-107-652-11	ELECT 10MF 20% 250V		R714	1-216-486-00	METAL OXIDE 8.2K 5% 3W F	
C712	1-102-115-00	CERAMIC 560PF 10% 50V		R715	1-249-417-11	CARBON 1K 5% 1/4W	
C714	1-104-660-91	ELECT 47MF 20% 16V		R716	1-247-815-91	CARBON 220 5% 1/4W	
C717	1-102-114-00	CERAMIC 470PF 10% 50V		R717	1-247-815-91	CARBON 220 5% 1/4W	
C718	1-102-114-00	CERAMIC 470PF 10% 50V		R718	1-202-814-11	SOLID 33K 10% 1/2W	
C719	1-102-114-00	CERAMIC 470PF 10% 50V		R720	1-249-428-11	CARBON 8.2K 5% 1/4W	
C722	1-101-880-00	CERAMIC 47PF 5% 50V		R722	1-202-848-00	SOLID 680K 10% 1/2W	
C723	1-101-880-00	CERAMIC 47PF 5% 50V		R723	1-249-417-11	CARBON 1K 5% 1/4W	
C724	1-101-880-00	CERAMIC 47PF 5% 50V		R724	1-202-846-00	SOLID 470K 10% 1/2W	
< CONNECTOR >				R726	1-202-822-00	SOLID 2.2K 10% 1/2W	
CN701	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P		R727	1-247-815-91	CARBON 220 5% 1/4W	
CN702	1-695-915-11	TAB (CONTACT)		R728	1-216-349-00	METAL OXIDE 1 5% 1W F	
				R729	1-247-815-91	CARBON 220 5% 1/4W	
				R731	1-249-428-11	CARBON 8.2K 5% 1/4W	


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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R732	1-215-481-00	METAL	330K 1% 1/4W	C623	1-126-934-91	ELECT	220MF 20% 25V
R734	1-247-807-31	CARBON	100 5% 1/4W	C624	1-136-165-00	FILM	0.1MF 5% 50V
R736	1-216-486-00	METAL OXIDE	8.2K 5% 3W F	C625	1-126-967-91	ELECT	47MF 20% 50V
R737	1-215-487-00	METAL	680K 1% 1/4W	C626	1-126-934-91	ELECT	220MF 20% 25V
R739	1-249-417-11	CARBON	1K 5% 1/4W	C627	1-124-120-11	ELECT	220MF 20% 25V
R741	1-202-549-00	SOLID	100 20% 1/2W	C628	1-126-964-11	ELECT	10MF 20% 50V
R744	1-249-426-11	CARBON	5.6K 5% 1/4W	C629	1-126-800-51	ELECT	2200MF 20% 25V
R745	1-249-426-11	CARBON	5.6K 5% 1/4W	C630	1-126-800-51	ELECT	2200MF 20% 25V
R746	1-249-426-11	CARBON	5.6K 5% 1/4W	C631	1-126-965-91	ELECT	22MF 20% 50V
< VARIABLE RESISTOR >				C632	1-124-120-11	ELECT	220MF 20% 25V
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M		C633	1-136-516-12	FILM	0.1MF 20% 300V
RV702	1-241-656-11	RES, ADJ, METAL FILM 110M		C634	1-136-516-12	FILM	0.1MF 20% 300V
*****				C635	1-136-516-12	FILM	0.1MF 20% 300V
*A-1642-122-A D BOARD, COMPLETE				C636	1-164-503-61	CERAMIC	0.0022MF 20% 400V
*****				C639	1-136-165-00	FILM	0.1MF 5% 50V
4-201-023-11	SPACER, INSULATING			C640	1-106-220-00	MYLAR	0.1MF 10% 100V
4-202-373-01	SPRING, IC			C647	1-162-116-00	CERAMIC	680PF 10% 2KV
< CAPACITOR >				C800	1-137-437-11	FILM	0.0056MF 5% 50V
C502	1-102-824-00	CERAMIC	470PF 5% 50V	C801	1-136-153-00	FILM	0.01MF 5% 50V
C503	1-136-165-00	FILM	0.1MF 5% 50V	C804	1-136-165-00	FILM	0.1MF 5% 50V
C504	1-102-824-00	CERAMIC	470PF 5% 50V	C806	1-104-999-11	MYLAR	0.1MF 10% 200V
C506	1-124-480-11	ELECT	470MF 20% 25V	C807	1-136-111-00	FILM	1MF 5% 200V
C507	1-109-953-11	ELECT	2.2MF 20% 50V	C810	1-126-772-11	ELECT	1MF 20% 250V
C509	1-136-165-00	FILM	0.1MF 5% 50V	C811	1-102-212-00	CERAMIC	820PF 10% 500V
C510	1-126-969-11	ELECT	220MF 20% 50V	C812	1-136-111-00	FILM	1MF 5% 200V
C511	1-136-202-11	FILM	0.33MF 5% 63V	C813	1-136-759-11	FILM	0.039MF 10% 630V
C513	1-106-220-00	MYLAR	0.1MF 10% 100V	C814	1-136-549-11	FILM	0.0106MF 3% 1.4KV
C514	1-136-165-00	FILM	0.1MF 5% 50V	C815	1-136-562-11	MYLAR	0.0082MF 10% 400V
C515	1-124-480-11	ELECT	470MF 20% 25V	C816	1-161-754-00	CERAMIC	0.001MF 10% 2KV
C517	1-124-480-11	ELECT	470MF 20% 25V	C817	1-161-754-00	CERAMIC	0.001MF 10% 2KV
C518	1-102-228-00	CERAMIC	470PF 10% 500V	C818	1-162-134-11	CERAMIC	470PF 10% 2KV
C519	1-102-228-00	CERAMIC	470PF 10% 500V	C819	1-136-208-11	FILM	0.068MF 10% 250V
C520	1-124-480-11	ELECT	470MF 20% 25V	C820	1-102-114-00	CERAMIC	470PF 10% 50V
C521	1-124-006-11	ELECT	10MF 20% 25V	C821	1-162-114-00	CERAMIC	0.0047MF 2KV
C522	1-126-964-11	ELECT	10MF 20% 50V	C822	1-107-662-11	ELECT	22MF 20% 250V
C523	1-136-165-00	FILM	0.1MF 5% 50V	C824	1-123-024-21	ELECT	33MF 160V
C600	1-164-503-61	CERAMIC	0.0022MF 20% 400V	C829	1-126-959-00	ELECT	0.47MF 20% 50V
C601	1-161-964-91	CERAMIC	0.0047MF 250V	C830	1-124-903-11	ELECT	1MF 20% 50V
C602	1-161-964-91	CERAMIC	0.0047MF 250V	C832	1-126-959-00	ELECT	0.47MF 20% 50V
C603	1-125-318-00	ELECT (BLOCK)	220MF 20% 400V	C834	1-104-662-91	ELECT	22MF 20% 25V
C604	1-126-968-91	ELECT	100MF 20% 50V	C835	1-162-318-11	CERAMIC	0.001MF 10% 500V
C605	1-124-667-11	ELECT	10MF 20% 100V	C836	1-162-117-00	CERAMIC	100PF 10% 500V
C606	1-162-318-11	CERAMIC	0.001MF 10% 500V	C838	1-102-228-00	CERAMIC	470PF 10% 500V
C607	1-124-120-11	ELECT	220MF 20% 25V	C906	1-126-967-91	ELECT	47MF 20% 50V
C608	1-109-880-11	FILM	0.0015MF 3% 2KV	C908	1-126-967-91	ELECT	47MF 20% 50V
C611	1-102-228-00	CERAMIC	470PF 10% 500V	C909	1-124-903-11	ELECT	1MF 20% 50V
C612	1-104-799-11	ELECT	22MF 20% 100V	C910	1-137-393-11	FILM	0.01MF 5% 100V
C613	1-124-347-00	ELECT	100MF 20% 160V	C1200	1-136-165-00	FILM	0.1MF 5% 50V
C614	1-128-526-11	ELECT	100MF 20% 25V	C1201	1-136-165-00	FILM	0.1MF 5% 50V
C615	1-111-063-11	ELECT	470MF 20% 25V	C1202	1-136-165-00	FILM	0.1MF 5% 50V
C616	1-111-067-11	ELECT	0.001F 20% 25V	C1203	1-136-169-00	FILM	0.22MF 5% 50V
C617	1-126-183-11	ELECT	1000MF 20% 16V	C1204	1-136-169-00	FILM	0.22MF 5% 50V
C618	1-136-165-00	FILM	0.1MF 5% 50V	C1205	1-101-005-00	CERAMIC	0.022MF 50V
C619	1-102-228-00	CERAMIC	470PF 10% 500V	C1206	1-101-005-00	CERAMIC	0.022MF 50V
C620	1-102-228-00	CERAMIC	470PF 10% 500V	C1207	1-124-665-11	ELECT	100MF 20% 25V
C621	1-136-165-00	FILM	0.1MF 5% 50V	C1208	1-126-963-11	ELECT	4.7MF 20% 50V
C622	1-104-797-11	ELECT	0.47MF 20% 100V	C1209	1-126-963-11	ELECT	4.7MF 20% 50V
				C1210	1-124-961-11	ELECT	2.2MF 20% 50V
				C1211	1-124-961-11	ELECT	2.2MF 20% 50V
				C1214	1-104-665-11	ELECT	100MF 20% 25V


D

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C1215	1-136-173-00	FILM 0.47MF 5%	50V	D903	8-719-923-60	DIODE MTZJ-T-77-9.1A	
C1216	1-137-366-11	FILM 0.0022MF 5%	50V	D904	8-719-923-60	DIODE MTZJ-T-77-9.1A	
C1217	1-137-366-11	FILM 0.0022MF 5%	50V	D905	8-719-923-60	DIODE MTZJ-T-77-9.1A	
C1218	1-124-934-91	ELECT 220MF 20%	25V	D906	8-719-923-60	DIODE MTZJ-T-77-9.1A	
< CONNECTOR >				D1201	8-719-109-72	DIODE RD3.9ESB2	
CN600	1-508-786-11	PIN, CONNECTOR (5MM PITCH) 2P		< FERRITE BEAD >			
CN601	1-508-786-11	PIN, CONNECTOR (5MM PITCH) 3P		FB600	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
CN602	1-695-292-11	PIN, CONNECTOR (POWER)		FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
CN800	*1-580-798-11	CONNECTOR PIN (DY) 6P		FB602	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
CN803	1-695-915-11	TAB (CONTACT)		FB604	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
CN804	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P		FB605	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
CN901	*1-564-520-11	PLUG, CONNECTOR 5P		FB606	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
CN902	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P		FB607	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
CN903	*1-564-516-11	PLUG, CONNECTOR 13P		< IC >			
CN904	*1-564-509-11	PLUG, CONNECTOR 6P		IC500	8-759-192-71	IC STV9379	
CN905	*1-564-506-11	PLUG, CONNECTOR 3P		IC600	8-749-010-84	IC STR-S6708	
CN1200	*1-568-879-11	PIN, CONNECTOR 4P		IC601	8-749-924-92	IC TLP721(D4)-GR	
< DIODE >				IC602	8-749-920-61	IC SE-135N	
D500	8-719-109-85	DIODE RD5.1ESB2		IC603	8-759-144-82	IC μ PC2405HF	
D502	8-719-979-85	DIODE EGP20G		IC604	8-759-250-63	IC TL750L05CLPR	
D503	8-719-979-85	DIODE EGP20G		IC605	8-759-231-58	IC TA7812S	
D504	8-719-991-33	DIODE 1SS133T-77		IC606	8-759-267-25	IC LM2940CT-9.0	
D505	8-719-982-03	DIODE MTZJ-3.6A		IC800	8-759-103-93	IC μ PC393C	
D506	8-719-991-33	DIODE 1SS133T-77		IC1200	8-759-250-68	IC TDA7264	
D507	8-719-109-85	DIODE RD5.1ESB2		IC1201	8-759-502-21	IC TDA2822M	
D600	8-719-510-53	DIODE D4SB60L		< COIL >			
D601	8-719-046-77	DIODE EM1-V1		L502	1-412-519-11	INDUCTOR 3.3UH	
D603	8-719-109-97	DIODE RD6.8ESB2		L503	1-412-519-11	INDUCTOR 3.3UH	
D604	8-719-046-75	DIODE EU-1-V1		L609	1-412-533-21	INDUCTOR 47UH	
D605	8-719-312-61	DIODE EU-1Z		L611	1-412-527-11	INDUCTOR 15UH	
D606	8-719-312-61	DIODE EU-1Z		L612	1-414-415-11	INDUCTOR, WIDE BAND	
D607	8-719-046-78	DIODE EG-1Z-V1		L613	1-412-415-11	INDUCTOR, WIDE BAND	
D608	8-719-046-75	DIODE EU-1-V1		L801	1-459-111-00	COIL, DRAM CORE (CDI)	
D609	8-719-301-64	DIODE RU4DS		L803	1-420-872-00	COIL, AIR CORE	
D610	8-719-046-74	DIODE AU-01Z-V1		L804	1-459-652-12	COIL, HORIZONTAL LINEARITY	
D611	8-719-302-43	DIODE EL1Z		L805	1-406-675-11	COIL, CHOKE 4.7MMH	
D612	8-719-046-76	DIODE RU-3YX-V1		L809	1-412-533-21	INDUCTOR 47UH	
D613	8-719-045-48	DIODE FML-G12S		< TRANSFORMER >			
D614	8-719-045-48	DIODE FML-G12S		LF600	1-421-776-21	LFT	
D615	8-719-046-75	DIODE EU-1-V1		LF601	1-421-776-21	LFT	
D616	8-719-110-03	DIODE RD7.5ESB2		< IC LINK >			
D617	8-719-991-33	DIODE 1SS133T-77		PS600	1-532-686-91	LINK, IC 2.7A (ICP-F75)	
D618	8-719-991-33	DIODE 1SS133T-77		PS601	1-532-686-91	LINK, IC 2.7A (ICP-F75)	
D619	8-719-991-33	DIODE 1SS133T-77		PS602	1-532-686-91	LINK, IC 2.7A (ICP-F75)	
D620	8-719-991-33	DIODE 1SS133T-77		PS603	1-532-686-91	LINK, IC 2.7A (ICP-F75)	
D622	8-719-923-60	DIODE MTZJ-T-77-9.1A		PS801	1-532-605-91	LINK, IC 0.4A (ICP-F10)	
D625	8-719-991-33	DIODE 1SS133T-77		< TRANSISTOR >			
D626	8-719-046-74	DIODE AU-01Z-V1		Q501	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D800	8-719-991-33	DIODE 1SS133T-77		Q502	8-729-173-38	TRANSISTOR 2SA733-K	
D801	8-719-991-33	DIODE 1SS133T-77		Q503	8-729-900-89	TRANSISTOR DTC144ES	
D802	8-719-991-33	DIODE 1SS133T-77		Q601	8-729-025-04	TRANSISTOR 2SC3852A	
D803	8-719-908-03	DIODE GP08D		Q602	8-729-320-28	TRANSISTOR 2SA1667	
D807	8-719-302-43	DIODE EL1Z		Q603	8-729-027-08	TRANSISTOR 2SC2389STP-R	
D809	8-719-018-82	DIODE RGP02-20EL-6394		Q604	8-729-024-35	TRANSISTOR 2SC2808STP-R	
D810	8-719-302-43	DIODE EL1Z					
D812	8-719-038-49	DIODE FMS-3FU-LF027-103					
D817	8-719-109-89	DIODE RD5.6ESB2					
D902	8-719-923-60	DIODE MTZJ-T-77-9.1A					

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KV-C217

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q605	8-729-119-78	TRANSISTOR 2SC2785-HFE		R628	1-249-415-11	CARBON 680 5%	1/4W F
Q606	8-729-900-65	TRANSISTOR DTA144ES		R629	1-244-945-91	CARBON 1W 5%	1/2W
Q607	8-729-119-78	TRANSISTOR 2SC2785-HFE		R630	1-218-265-21	METAL 8.2K 5%	1W
Q800	8-729-119-78	TRANSISTOR 2SC2785-HFE		R631	1-205-949-11	WIREWOUND 1.8 5%	10W
Q801	8-729-017-06	TRANSISTOR 2SC4793		R632	1-247-807-31	CARBON 100 5%	1/4W
Q802	8-729-016-32	TRANSISTOR 2SC4927-01		R633	1-247-807-31	CARBON 100 5%	1/4W
Q803	8-729-119-80	TRANSISTOR 2SC2688-LK		R634	1-249-397-11	CARBON 22 5%	1/4W F
Q805	8-729-900-89	TRANSISTOR DTC144ES		R635	1-249-437-11	CARBON 47K 5%	1/4W
Q1200	8-729-119-78	TRANSISTOR 2SC2785-HFE		R636	1-249-417-11	CARBON 1K 5%	1/4W
Q1201	8-729-900-74	TRANSISTOR DTC143TS		R637	1-247-815-91	CARBON 220 5%	1/4W
Q1202	8-729-900-80	TRANSISTOR DTC114ES		R638	1-247-863-91	CARBON 22K 5%	1/4W
Q1203	8-729-900-74	TRANSISTOR DTC143TS		R639	1-215-431-00	METAL 2.7K 1%	1/4W
Q1204	8-729-900-74	TRANSISTOR DTC143TS		R640	1-216-381-11	METAL OXIDE 0.22 5%	3W F
< RESISTOR >				R641	1-216-381-11	METAL OXIDE 0.22 5%	3W F
R500	1-215-457-00	METAL 33K 1%	1/4W	R642	1-205-949-11	WIREWOUND 1.8 5%	10W
R502	1-249-421-11	CARBON 2.2K 5%	1/4W	R644	1-247-807-31	CARBON 100 5%	1/4W
R503	1-249-429-11	CARBON 10K 5%	1/4W	R645	1-249-422-11	CARBON 2.7K 5%	1/4W
R504	1-215-443-00	METAL 8.2K 1%	1/4W	R646	1-249-377-11	CARBON 0.47 5%	1/4W F
R505	1-249-382-11	CARBON 1.2 5%	1/4W F	R647	1-202-933-61	FUSIBLE 0.1 10%	1/2W F
R506	1-215-459-00	METAL 6.8K 1%	1/4W	R648	1-216-397-11	METAL OXIDE 4.7 5%	3W F
R507	1-215-888-00	METAL OXIDE 220 5%	2W F	R800	1-249-421-11	CARBON 2.2K 5%	1/4W
R508	1-216-372-00	METAL OXIDE 1.8 5%	2W F	R801	1-249-429-11	CARBON 10K 5%	1/4W
R509	1-249-443-11	CARBON 0.47 5%	1/4W F	R802	1-249-431-11	CARBON 15K 5%	1/4W
R510	1-249-443-11	CARBON 0.47 5%	1/4W F	R803	1-249-426-11	CARBON 5.6K 5%	1/4W
R517	1-215-427-00	METAL 1.8K 1%	1/4W	R804	1-249-430-11	CARBON 12K 5%	1/4W
R518	1-215-427-00	METAL 1.8K 1%	1/4W	R805	1-249-425-11	CARBON 4.7K 5%	1/4W
R520	1-215-457-00	METAL 33K 1%	1/4W	R809	1-247-901-11	CARBON 820K 5%	1/4W
R521	1-215-457-00	METAL 33K 1%	1/4W	R812	1-249-421-11	CARBON 2.2K 5%	1/4W
R522	1-247-863-91	CARBON 22K 5%	1/4W	R813	1-215-869-11	METAL OXIDE 1K 5%	1W F
R523	1-247-863-91	CARBON 22K 5%	1/4W	R814	1-249-411-11	CARBON 330 5%	1/4W
R524	1-249-425-11	CARBON 4.7K 5%	1/4W	R816	1-215-919-00	METAL OXIDE 2.2K 5%	3W F
R525	1-249-425-11	CARBON 4.7K 5%	1/4W	R817	1-215-919-00	METAL OXIDE 2.2K 5%	3W F
R526	1-249-421-11	CARBON 2.2K 5%	1/4W	R819	1-216-347-11	METAL OXIDE 0.68 5%	1W F
R527	1-215-449-00	METAL 15K 1%	1/4W	R820	1-249-403-11	CARBON 68 5%	1/4W
R529	1-247-895-91	CARBON 470K 5%	1/4W	R821	1-216-474-11	METAL OXIDE 82 5%	3W F
R600	1-216-490-11	METAL OXIDE 39K 5%	3W F	R822	1-215-868-00	METAL OXIDE 680 5%	1W F
R601	1-249-417-11	CARBON 1K 5%	1/4W	R824	1-249-420-11	CARBON 1.8K 5%	1/4W
R603	1-215-875-11	METAL OXIDE 10K 5%	1W F	R826	1-247-752-11	CARBON 1K 5%	1/2W
R604	1-249-420-11	CARBON 1.8K 5%	1/4W	R827	1-249-425-11	CARBON 4.7K 5%	1/4W
R605	1-216-362-11	METAL OXIDE 0.27 5%	2W F	R828	1-249-436-11	CARBON 39K 5%	1/4W
R607	1-216-421-11	METAL OXIDE 12 5%	1W F	R829	1-249-493-11	CARBON 56K 5%	1/2W
R608	1-216-365-00	METAL OXIDE 0.47 5%	2W F	R830	1-217-778-11	FUSIBLE 1K 5%	1W F
R610	1-215-419-00	METAL 820 1%	1/4W	R833	1-249-421-11	CARBON 2.2K 5%	1/4W F
R611	1-215-859-00	METAL OXIDE 22 5%	1W F	R836	1-249-439-11	CARBON 68K 5%	1/4W
R612	1-249-428-11	CARBON 8.2K 5%	1/4W	R837	1-249-432-11	CARBON 18K 5%	1/4W
R613	1-249-417-11	CARBON 1K 5%	1/4W	R840	1-247-807-31	CARBON 100 5%	1/4W
R614	1-215-877-11	METAL OXIDE 22K 5%	1W F	R841	1-249-418-11	CARBON 1.2K 5%	1/4W
R615	1-249-435-11	CARBON 33K 5%	1/4W	R842	1-247-891-00	CARBON 330 5%	1/4W
R616	1-215-479-00	METAL 270K 1%	1/4W	R843	1-247-883-00	CARBON 150K 5%	1/4W
R617	1-215-901-00	METAL OXIDE 33K 5%	2W F	R846	1-249-441-11	CARBON 100K 5%	1/4W
R618	1-247-863-91	CARBON 22K 5%	1/4W	R847	1-247-887-00	CARBON 220K 5%	1/4W
R619	1-216-425-11	METAL OXIDE 56 5%	1W F	R848	1-247-887-00	CARBON 220K 5%	1/4W
R620	1-247-895-00	CARBON 470K 5%	1/4W	R849	1-249-429-11	CARBON 10K 5%	1/4W
R621	1-216-425-11	METAL OXIDE 56 5%	1W F	R850	1-249-425-11	CARBON 4.7K 5%	1/4W
R622	1-249-437-11	CARBON 47K 5%	1/4W	R851	1-215-898-11	METAL OXIDE 10K 5%	2W F
R623	1-249-429-11	CARBON 10K 5%	1/4W	R852	1-249-432-11	CARBON 18K 5%	1/4W
R624	1-249-405-11	CARBON 100 5%	1/4W F	R901	1-247-734-11	CARBON 39 5%	1/2W
R625	1-249-434-11	CARBON 27K 5%	1/4W	R902	1-247-734-11	CARBON 39 5%	1/2W
R626	1-249-430-11	CARBON 12K 5%	1/4W	R907	1-247-804-11	CARBON 75 5%	1/4W
				R916	1-247-791-91	CARBON 22 5%	1/4W

D **H1** **H2** **H3**

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R917	1-247-791-91	CARBON 22 5% 1/4W	
R1200	1-249-425-11	CARBON 4.7K 5% 1/4W	
R1201	1-249-434-11	CARBON 27K 5% 1/4W	
R1202	1-249-393-11	CARBON 10 5% 1/4W F	
R1203	1-249-421-11	CARBON 2.2K 5% 1/4W	
R1204	1-249-421-11	CARBON 2.2K 5% 1/4W	
R1205	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1206	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1208	1-212-849-00	FUSIBLE 4.7 5% 1/4W F	
R1209	1-212-849-00	FUSIBLE 4.7 5% 1/4W F	
R1211	1-249-424-11	CARBON 3.9K 5% 1/4W	
R1212	1-249-424-11	CARBON 3.9K 5% 1/4W	
R1213	1-249-421-11	CARBON 2.2K 5% 1/4W	
R1216	1-249-413-11	CARBON 470 5% 1/4W	
R1217	1-249-425-11	CARBON 4.7K 5% 1/4W	
< VARIABLE RESISTOR >			
RV301	1-238-552-11	RES, ADJ, CARBON 470K	
< RELAY >			
RY600	1-755-018-11	RELAY	
< SPARK GAP >			
SG801	1-519-422-11	GAP, SPARK	
< TRANSFORMER >			
T601	1-426-805-12	SRT	
T800	1-459-390-00	COIL (WITH CORE)	
T803	1-453-169-11	TRANSFORMER ASSY. PLYBACK (UX-1604A2)	
T804	1-437-090-00	HDT	
< THERMISTOR >			
TEP600	1-809-827-11	THERMISTOR, POSITIVE	

*A-1646-092-A H1 BOARD, COMPLETE			

< CAPACITOR >			
C900	1-101-810-00	CERAMIC 100PF 5% 500V	
C901	1-101-810-00	CERAMIC 100PF 5% 500V	
C902	1-137-372-11	FILM 0.022MF 5% 50V	
C903	1-137-372-11	FILM 0.022MF 5% 50V	
C907	1-124-903-11	ELECT 1MF 20% 50V	
< CONNECTOR >			
CN900	1-568-678-11	TERMINAL BLOCK, S 3P	
CN906	*1-564-516-11	PLUG, CONNECTOR 13P	
< JACK >			
J900	1-764-606-11	JACK	
< COIL >			
L900	1-408-409-00	INDUCTOR 10UH	
L901	1-408-409-00	INDUCTOR 10UH	
L902	1-408-409-00	INDUCTOR 10UH	
L903	1-408-409-00	INDUCTOR 10UH	


REF.NO.	PART NO.	DESCRIPTION	REMARK
< RESISTOR >			
R905	1-247-804-11	CARBON 75 5% 1/4W	
R906	1-247-804-11	CARBON 75 5% 1/4W	
R909	1-249-437-11	CARBON 47K 5% 1/4W	
R910	1-249-437-11	CARBON 47K 5% 1/4W	
R915	1-247-791-91	CARBON 22 5% 1/4W	


*A-1646-070-A H2 BOARD, COMPLETE			

< CAPACITOR >			
C904	1-124-910-11	ELECT 47MF 20% 50V	
C905	1-124-907-11	ELECT 10MF 20% 50V	
< CONNECTOR >			
CN907	*1-564-509-11	PLUG, CONNECTOR 6P	
< DIODE >			
D901	8-719-030-11	DIODE SLA-570KT3F	
< IC >			
IC900	8-741-790-11	IC SBX1790-11	
< RESISTOR >			
R900	1-247-815-91	CARBON 220 5% 1/4W	
R908	1-249-401-11	CARBON 47 5% 1/4W	

*A-1646-093-A H3 BOARD, COMPLETE			

< CONNECTOR >			
CN908	*1-564-506-11	PLUG, CONNECTOR 3P	
< RESISTOR >			
R911	1-249-423-11	CARBON 3.3K 5% 1/4W	
R912	1-249-429-11	CARBON 10K 5% 1/4W	
R913	1-249-423-11	CARBON 3.3K 5% 1/4W	
R914	1-249-429-11	CARBON 10K 5% 1/4W	
< SWITCH >			
S900	1-692-979-11	SWITCH, TACTILE	
S901	1-692-979-11	SWITCH, TACTILE	
S902	1-692-979-11	SWITCH, TACTILE	

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		MISCELLANEOUS					

	1-406-828-11	COIL, DEGAUSSING					
	1-452-032-00	MAGNET, DISK; 10MM Ø					
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø					
	1-452-277-00	MAGNET, BMC					
	1-453-169-11	TRANSFORMER ASSY, FLYBACK (UX-1604A2)					
	1-544-525-11	SPEAKER					
	1-571-433-21	SWITCH, PUSH (AC POWER)					
	1-690-270-21	CORD, POWER (WITH CONNECTOR) 2.5A/250V (KV-C2173B/C2173E/C2171K/C2171KR)					
	1-765-286-11	CORD, POWER (WITH NOISE FILTER) 2.5A/250V (KV-C2171D)					
	8-598-045-00	TUNER (BTP-EC411)					
	8-451-295-43	DEFLECTION YOKER (Y21PFA2)					
V901	8-738-783-05	PICTURE TUBE (SD-169) (A51JXH61X)					

		ACCESSORIES AND PACKING MATERIALS					

	*4-033-049-01	CUSHION (LOWER) (ASSY)					
	*4-033-050-01	CUSHION (UPPER) (ASSY)					
	*4-033-051-01	INDIVIDUAL CARTON					
	*4-039-905-02	BAG, PROTECTION (KV-C2173B/C2171D/C2173E/C2171K)					
	*4-042-476-01	BAG, PROTECTION (KV-C2171KR)					
	4-203-171-51	MANUAL, INSTRUCTION (KV-C2173B) (FRENCH/GERMAN/ITALIAN)					
	4-203-171-11	MANUAL, INSTRUCTION (KV-C2171D) (GERMAN/ENGLISH/NORWEGIAN)					
	4-203-171-71	MANUAL, INSTRUCTION (KV-C2173E) (SPANISH)					
	4-203-171-91	MANUAL, INSTRUCTION (KV-C2171K) (ENGLISH/CZECH/POLISH)					
	4-203-223-91	MANUAL, INSTRUCTION (KV-C2171KR) (ENGLISH/RUSSIAN/BULGARIAN)					
		REMOTE COMMANDER					

	1-467-706-11	COMMANDER, STANDARD TYPE (RM-833)					
